

SEQUENCE LISTING

<110> Salceda, Susana
 Macina, Roberto
 Recipon, Herve
 Pluta, Jason
 Sun, Yongming
 Liu, Chenghua

<120> Compositions and Methods Relating to Breast Specific Genes and Proteins

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<150> 60/252,509

<151> 2000-11-22

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<213>	Homo sapien
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<223> a, c, g or t

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<220>
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<223> a, c, g or t

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<220>
<221> misc_feature
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<223> a, c, g or t

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actcagcatc tgcattgcgg tttctgagaat tacctatatc ttttgtgggn ngctctctnn 180
tgctganntt ctctngnttt nncattaaaa aaaaaaaga gtgacctcgg ggatctccct 240
gtgagttccc tatattatat acgccaaaat ttatactct cactatagct ataaagaaaa 300
cacgggntat ttatacaaat gtgacnaaaa ccctatagaa acagcatatg tatangcgcc 360
gaggntcttc ctacattaca gggaactctc catgtgacag gggactgtgc ggtgaattgt 420
gccctattan acacagagcg tctctttntc naccanaaaa ggacggggga aatttctgtg 480
tggaacaccc tttgtgtgaa ccccg 505

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<210> 10
<211> 626
<212> DNA
<213> Homo sapien

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<400> 10
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ttttttcagg cctaccaagt ttagatagca aaagtatata gtagaacagc acagttagaa 120

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09689890.112101

aaatttataaa	gtgaattctt	tatggtccaa	aaggatggat	agtcacagtc	cataaccttt	180
cataatatat	gctggaatgg	gaatctctgg	tcattctggct	tggtctctgaa	ttttagaact	240
agaagtgtgc	atgtatgtca	aaagattatg	cagagctatt	ttcttggtcta	acaagtgtaa	300
acatttgcca	ccccatgaat	gggactttat	aatctggaag	tgagcctaag	gttgcgata	360
ctgaagtcac	gttttaacaa	gttaagggtg	acttaaacat	atacaaggct	gtattttaat	420
ggtaactaga	aatcattttac	tatgcataca	gaacctcatg	tatcttatca	tggaaattgt	480
gaattaatgg	gccttgccga	attcaagggg	aagggaact	ggtaacaact	gtgttttaaa	540
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<210> 11
<211> 2758
<212> DNA
<213> Homo sapien
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400>	11	
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cgttcagaaa	gactgattcc	aatcatgtaa tgggaccaca cgagatccat gctccaatta 360
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taacagcaat	gtcttggcag	accaggtgcc gcttccgtgc catttgaggg ctctgagttt 720
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<210> 12
 <211> 744
 <212> DNA
 <213> Homo sapien

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 aacttttcta aaaccaacct taaccattta taaaaataa ccatatttaa ataagttaac 180
 agtatgtaga ctcaaattha caacaaaatc aaaaagaaa ttgcttcctt ctcatacccc 240
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 gatttggcac aagtgtgata ttatttaagt gctgggcaac tgctaaacta tgcagttttc 480
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 ttaaagtgc aacacgaaga attagagaat ccccgagaa tccaggggct ggtctactat 600
 ccatacttct tatcacttta gttttctcat cagtcaataa aattatttta ctcttccaaa 660
 aaaaaaaca aaaaaagggt gtgggggtacc ctgggccaaa agcgttcccg ggttggaatt 720
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<210> 13
 <211> 799
 <212> DNA
 <213> Homo sapien

<400> 13
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 tactgtttat ttagtattg atcaaaaact ttatttttaa tctagaaca gtcaaatga 180
 gttctaaaaa aataagatat cgggtgagctt actaaggcaa gactcttatt caaatagaag 240
 taacttttct aaaaccaacc ttaaccattt ataaaaata accatattaa aataatgtag 300
 cagtatgtag actcaaattht acaacaaaat caaaaaagaa attgcttcct tctcataccc 360
 caagatgcct ttgggtctata ttttttaaat gaagtgggtc caaatggta tgttgtaaat 420
 aattttccct attttttttt tttttacagg gtggcagaaa agggaaaaga aactctgaat 480
 ccgaccagtgt taggtgatta cattagcctt tgaagtcaac acaaagttha aaacttccag 540
 gattttgcga agttgtatat atttaagtgt gtgcaactgc taaactatgc agtttttgtt 600

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<210> 14
<211> 456
<212> DNA
<213> Homo sapien
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```
<210> 15
<211> 282
<212> DNA
<213> Homo sapien
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<210> 16
<211> 2658
<212> DNA
<213> Homo sapien
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<400> 16
ggcgcatat tttttttttt tttttttttt tgtaaaatct attttgaaca agtgccctcaa 60
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gatgctttgc	atcaagaagc	aaagggaaat	acagaattaa	aatgtttctt	tccattttgc	300
tttgtttttc	tatatcgatc	tagactttgt	aggaaaatgc	aaagcgtata	tttaagaaaa	360
cctaaaatag	aatagattca	tttactcatt	ttcattttatt	cattcatgaa	gaattttattg	420
aatgcctact	atgtgccagg	aatattgcta	tattttttgaa	atttaaggat	aaaatatggc	480
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gacacagctt	tacatgacct	taagtagtta	tcaacattac	cataatagta	atattaataa	900
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taaaacatgg	atcattttatt	tcacctcatt	ttgcacttca	atgcaatttc	actcttttagg	1860


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<210> 17
<211> 493
<212> DNA
<213> Homo sapien
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<210> 18
<211> 1412
<212> DNA
<213> Homo sapien
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<400> 18
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 catgcctggc taattaaaaa agattttttt agagatgagg tcttgctgtg ttgccaggc 300
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 tacagggtgt agccacagca ctagcctta cttcaaat ctaaaccaag ctatttaaat 420
 agccactgtt tgattatttg aattaacatg gagcatcttc tgggatattg ttcaggga 480
 tatgagtaga tcaagggtatt ttggggatgt aaaccctcat gtttgataaa ataatgata 540
 ttttgactga gtgtttgctg ggaacagaaa gtaagaaggg aaaaggagcg accatacagg 600
 aaagtaaaaa taataaaaga aaatttagaa aactagagga aaagggtatga aaggataaat 660
 cctccatccc atactgataa tggcctttga gcatcactaa gcccttttgc tctcccatt 720
 aagcaaaagg tgatgactga ggaggaacaa acaaaaatag acatcattag aaaaaatacc 780
 caagactttt agatgtttct ctaacatttt ggggtcattt tcagattacc agtgttcatt 840
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 tattgaatga ataaataata ggtgaattaa ta 1412

<210> 19
 <211> 383
 <212> DNA
 <213> Homo sapien

<400> 19
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 attagaagca tatgacttaa acagttttta aaagtcagga agtaagtatg cttaaataaa 120

[illegible]

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agaagagtag attgtatgta ctgggagaac taacttcttg caatagattt ttaagcacta 1440
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ggcc 1804

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<210> 21
<211> 252
<212> DNA
<213> Homo sapien

```

```

<400> 21
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ggataaacc ctcgatgaca taatgaataa tgatgtgtgg agagtgggga gggtttaccat 180
atgaaaaatg tagaaaatc aaaaagtgtc tatatatata aaatgtaagt gttaacattt 240
ttatatattg tt 252

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<210> 22
<211> 1595
<212> DNA
<213> Homo sapien

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<400> 22
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aaaaataaat ttaaaataca tgttgaaatg tattaacagc atatgtttaa gttaagttat 180
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gaacaactct gtcaccagc taaaaaaaa taagcttggg ccatatgcc aactagatac 300
caaaataaat tccaggagga ccaagttttt aaaagtaaaa atatggaatc atggaagtgc 360
atgaagaaga agtagcactt aaaaaataa taatctcagc atggggaagg tctaagtatg 420

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gccctcaatc agaaaccagg aaggaaaata ttaactatct taaacaaaaa tatctctgta 480
ccaaaaacag cataaaagggt caagaacaaa cactctggaa aaagaattgc aatgaatatc 540
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gacaaaatta ctgagattgg taacaaactt taagggggaa agcacttcca tgcattgctg 780
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ttgcaattaa aaaaaaaaaa aaaaaaaagg cggcc 1595

```

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<210> 23
<211> 297
<212> DNA
<213> Homo sapien

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<210> 30

<211> 662

<212> DNA

<213> Homo sapien

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<210> 31

<211> 780

<212> DNA

<213> Homo sapien

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<213> Homo sapien

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751

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<210> 45
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 <213> Homo sapien

<400> 45
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<212> DNA
<213> Homo sapien
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<211> 3443
<212> DNA
<213> Homo sapien
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 <211> 670
 <212> DNA
 <213> Homo sapien

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<211> 973
<212> DNA
<213> Homo sapien
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<212> DNA
<213> Homo sapien
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<210> 51
<211> 2169
<212> DNA
<213> Homo sapien
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<211> 919
<212> DNA
<213> Homo sapien

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<211> 1611
<212> DNA
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 <212> DNA
 <213> Homo sapien

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 <212> DNA
 <213> Homo sapien

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 <211> 892
 <212> DNA
 <213> Homo sapien

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<212> DNA
<213> Homo sapien
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[illegible]

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<220>
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<212> DNA

<213> Homo sapien

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 ggaaaagcac tatcatataa ataattatcg ccgccggctg tgcggg 1666

<210> 66
 <211> 425
 <212> DNA
 <213> Homo sapien

<400> 66
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 acacaggtgg tgggccaaaa ttgtaaaaa agtgaaagtg atgtgtgaag atagggtgga 240
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 tgagcataga caatggggtc aaagtctgca gaatggttct cagccaagta attgctcttt 360
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 agctt 425

<210> 67
 <211> 1342
 <212> DNA
 <213> Homo sapien

<400> 67
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 agcagtttca aggtcaaatt cccaaggac ttgggaagc attgttgttt ctcctagct 240
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 ggtagaatgg ggcacctggg gaaacttaag ctggaagggt atcatgaaaa gtgacagata 540
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caacaactag cctgcaccc tgtctctcta accaccacaa caaaaaacat ttaatccttg 660
 cctttttgtgc tgggggttcta ctgacactgc tgctgatagc ctttatcttc ctcatacataa 720
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 aaaaaaaaaa aaatgagcgg cc 1342

<210> 68
 <211> 567
 <212> DNA
 <213> Homo sapien

<400> 68
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<210> 69
 <211> 1007
 <212> DNA
 <213> Homo sapien

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<210>    70
<211>    568
<212>    DNA
<213>    Homo sapien

<400>    70
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gaataataca ccaaatacta gtggcttaat ttcatagtgc taactctggt tatattggca     180
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ggaaaagcag tcctctatta atatcatgtg tgaagagtat ctgttcacaa gatttatgag     300
attatgacgt gtttcagaga atgtctacta gtatatcttt acagtatttg cctgttgaa      360
tcctgcaca aactggaatt actttcacga agacttaggg aatgcaaata tgttactcat     420
aagatgcatt gaagtatggt aaataaaaaa aaccttttgt gattggttta aattggctcg     480
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acttttttgtt gttgtttttcc taaaacca 568

<210> 71
<211> 879
<212> DNA
<213> Homo sapien

<400> 71
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ttccactagt atgtaaagtc ttacgagagc aagaattttt gtttatttct ttctcttctt 180
cctttctctt ctctctcttt tactctgttc actactgtat tccacataaa atatatattg 240
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acacagacga cagacccgcg accggaagaa acaggagacg atggtcccgcc accggggcga 720
gacgaggagc gcagcgcgac gagagcaaag cacagaagca aacagccgca gcacgcagtc 780
gaagggccct cagctgcgca caccgacgac gcaagaagca gaaagagaaa gcaacaccca 840
cactcacgca acacaggcca cggagcggag gacacggcc 879

<210> 72
<211> 260
<212> DNA
<213> Homo sapien

<400> 72
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tctaaaaaaa caaaaaaaa acacaaaagg aaaaaaaca aaacaaaaaa aaaaagacag 180
ctggggcgac actcgcgggg gcacaagggg tgacccgggg tggaacggtg gggtcgcgcc 240
catccccccg atctgggaac 260

<210> 73
 <211> 826
 <212> DNA
 <213> Homo sapien

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<400> 73
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ctgcactgtt ttccctccac cacagccatc ctgtccctca ttggtctgtt gctttccact      180
atacagagtc acctgtccca atgagaaaca agaaggagca ccctccacat ggactccac      240
ctgcaagtgg acagcgacat tcagtcctgc actgtccacc tgggtttact gatgactcct      300
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tacccttctt actcttggtt ttcttatgtt gctttcatga atggaatgga aaaaagatga      480
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gttcccggtg tcgaatggtc atcccgccca cattcccaca caataccgcg acaacgaccc      600
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cagggtcgga ccgacctcgc aagcagactg aaccgcgaca gaccagcaag caccacacta      720
acggacaaca cgacaccaca gcacaaggaa cccacaagca cgactccacc tggccccc      780
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<210> 74
 <211> 3009
 <212> DNA
 <213> Homo sapien

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<400> 74
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tcttctgcta ggcacgcgtt caccagcctg tgtctctgaa gcagcggttt ccctcgaac      180
ttgtgcgaca caccaggact cggaagctac aggagcaacg gttgagggtc gtgtcctcca      240
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cctgacgccc tggcctgacg cctgcttcg tcgctcctt tctctccacc gtgctgaacc      420
agggactgag cgtccccggc agagggtccg gtgtgaaccc gacaagaagc agaaatgggg      480
aagaaactgg atctttccaa gctcactgat gaagaggccc agcatgtctt ggaagtgttt      540

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aggaaaggaa	tggccagcca	caccttcgcg	aaacctgtgg	tggcccacca	gtcctaacgg	2280
gacaggaacg	agagacagag	cagccctgca	ctgttttccc	tcaccacag	ccatcctgtc	2340

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<210> 75
<211> 605
<212> DNA
<213> Homo sapien

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<400> 75
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gtatatgcaa acagtgaagt ttatatctac ataaactgta aataatcctt tctgtgaaag 420
gatcatcata tcaagatgat accaaaagta tgtaaaaaga cacctgcatt atttgttaatt 480
atttctatat aagatatctt catggtaaga ttagcagtcataaaagttac ttttttggt 540
tcaaaaaaaaa aaaaaaaaaa agcttggggg acccggggcca agcgttcccg gggaaatggt 600
tcgca                                     605

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<210> 76
<211> 1836
<212> DNA
<213> Homo sapien

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<400> 76
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 tttctaaaga aacaatcata tttttatata aaattatggt ttcaggtaat gaaatagatg 180
 tagggtaacag tggaacataa gcagtgttac ccctggctgg gagtcagtat tatacaacaa 240
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<210> 77
<211> 791
<212> DNA
<213> Homo sapien

<400> 77
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cttttattta aattgaaaga caaggcattt atatggtatc tctaaccatc acaactttgg 480
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aaaaaaaaagg a 791

<210> 78
<211> 1523
<212> DNA
<213> Homo sapien

<400> 78
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ccaccttgcc caacagtaga aaaacataag aagagaaaaa cattaaaaaa tgacaaggaa 240
gttaattgaa gtcagcaatg tgatggtgtt tggaggtgga gccttcagaa ggtaattaat 300
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<210> 79
<211> 401
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (217)..(354)
<223> a, c, g or t

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<213> Homo sapien

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<212> DNA
<213> Homo sapien

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<210> 82
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<212> DNA
<213> Homo sapien

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 <213> Homo sapien

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 <213> Homo sapien

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 <211> 5119
 <212> DNA
 <213> Homo sapien

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<210> 87
<211> 489
<212> DNA
<213> Homo sapien

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<400> 87
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<210> 88
<211> 3190
<212> DNA
<213> Homo sapien

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<210> 89
 <211> 520
 <212> DNA
 <213> Homo sapien

<400> 89
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 <212> DNA
 <213> Homo sapien

 <400> 90
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<210> 91
<211> 522
<212> DNA
<213> Homo sapien

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<400> 91
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<211> 679
<212> DNA
<213> Homo sapien
<400> 93
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<211> 994
<212> DNA
<213> Homo sapien

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<210> 95
 <211> 496
 <212> DNA
 <213> Homo sapien

<400> 95
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<210> 96
 <211> 3175
 <212> DNA
 <213> Homo sapien

<400> 96
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<210> 97
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<212> DNA
<213> Homo sapien

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<223> a, c, g or t

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<220>
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<223> a, c, g or t

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<220>
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<222> (424)..(424)
<223> a, c, g or t

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<223> a, c, g or t

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<221> misc_feature

<222> (443)..(443)

<223> a, c, g or t

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gaacgagcat acgcatgtgt ctcttcctta acaatttctg aaggccattt ttggctgggn 360

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<221> misc_feature

<222> (454)..(454)

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<221> misc_feature

<222> (457)..(458)

<223> a, c, g or t

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 <212> DNA
 <213> Homo sapien

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<211> 956
<212> DNA
<213> Homo sapien

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<210> 103
<211> 488
<212> DNA
<213> Homo sapien

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<210> 104
 <211> 386
 <212> DNA
 <213> Homo sapien

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<210> 105
 <211> 1713
 <212> DNA
 <213> Homo sapien

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<210> 106
 <211> 797
 <212> DNA
 <213> Homo sapien

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<210> 108
 <211> 749
 <212> DNA
 <213> Homo sapien

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<210> 109
 <211> 623
 <212> DNA
 <213> Homo sapien

<400> 109
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<210> 110
 <211> 1944
 <212> DNA
 <213> Homo sapien

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<211> 692
<212> DNA
<213> Homo sapien

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 <211> 8144
 <212> DNA
 <213> Homo sapien

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<211> 521

<212> DNA

<213> Homo sapien

<400> 113

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 <213> Homo sapien

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 <213> Homo sapien

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 <213> Homo sapien

<400> 118
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 <213> Homo sapien

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<210> 120
 <211> 1364
 <212> DNA
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 gcagcagcat gtgagattgc cagttgctca aattcgtgcc aatacttggt attttttatc 960
 ttttaatttt agacattctg gagagtgtgt agtaattttt catcttgtaa aattacatta 1020
 aattagtatc cattttctcta attttgataa cattttcata agtttattgt tattagatat 1080
 ttcttttatt ttgaagtgtt tattgtccat ttacatttgg gtcattctgt attgaattgt 1140
 aaacattcct tgaatattta aatatgagtg cttggtcagt tttgtcaca aatatcctct 1200
 tttttcactt ttgtcccttt tattattctg aaaatgccaa ttgattaaaa ttaattttac 1260
 tattgtcaat aaaaaaaaaa aaaaaaaaaa aaggccgggg gtaaccgggg acaaacgggt 1320
 cccgggggga ctggtttccc gccaacattc cacattgacg aaac 1364


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aaaaaaaaa aaagaaaaa aaaggaata aaaaaaaaaa acaggagaca aagacaacgg 840
cggcacgcaa caaccacatc gcggaaggcg acaagcgaac aaccagccc gagctcgtga 900
aggcgagcca acatgaagga gcgcactatc caagacaggt agctgacata acagaagaga 960
acaaaaacaa gagacaagta gaacaaaaac aaagagaaga caggacacac gagaaaaacga 1020
ggtgtaatca gacgaacgac gcgacaaaca gagagacgtg caagcataaa atagcaacaa 1080
ccaagagaca gcgacggaca cacgaagcaa gacgagcgac gccgagcaca gcagggat 1138

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<210> 123
<211> 963
<212> DNA
<213> Homo sapien

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<400> 123
tggaagaagg aaggggaagag aagaacagag agaggagagc aggagaggag aaagaggaga 60
atgaggatga tatatagggg catgggtctc tagatgctgc tcgagcggcg cagtgtgat 120
ggatcgtggc gcggccgagg tcttaactga taaacagaat attagaaa gcgagacttg 180
ggccttacca ttgggtttaa atcatagggg cctagggcga ggggttcaggg cttctctgga 240
gcagatattg tnaagtccat ggccttagtg agcatgtatc tgggtctaac tctgattgta 300
gcaaaagtgc tgagaggagc tgagccctgt tggggcccat taaagaacag ggtcctcagg 360
ccctgaccgc ttctgttcca catgccccct ccccatcccc agcccagcgg agggaatccc 420
gtgggttgct tacctaccta taaggtggtt tataagctgc tgtcctggcc actgcattca 480
aattccaatg tgtacttcat agtgtacaaa tttatatcat tgtgaggtct tttgtctttt 540
attttcttat tctaaaaacg ggaaatatgg cggtactcta ctttaaaact ccaaaaatac 600
cggttattat atgggaaccg ccaaaaaaaa aaacaaaca gaaagacaaa cgagggggat 660
acacaccacg ggcgaaaaag aatacacaca gcggggaaaa aggggaaaaa cagcacaaaa 720
accacacaga caagcgcaac aagaccgcgc aacaggacac gacgcaacac gcacgaggcc 780
gagagcgtta tggaaacggg cagcgggacg cgtagaggga gggagcttgc atcaggggag 840
gagagcggac tggagggggg gcggagaagc aggggataga aacagagagc gagaaggagg 900
aaaatgcgcc gggggggaga agaggcgacg tagagggggg accgagggag aaacgcagca 960
acc 963

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<210> 124
<211> 986
<212> DNA
<213> Homo sapien

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<400> 124
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 tcgcccgggc aggtaacgta gaatgttcat tgatcatgca tattctgtgc attgaagtgt 120
 atcttttatg tttttaaatg cattcatttt acacttgtag agtttatcat gactttaaga 180
 ggtagaaatg aaaaatgaaa attaaagcta aagccttttt atctattaat gcagatatat 240
 tagaataaga atattttggg tttgtgttta ttttttaaat aatttatgtt tacttgatat 300
 ggaaatttac gctttatagc tggaaaagta gcaataaag attaagtaaa agtaagttaa 360
 aatgatgggg aatatagtat tggaaatttta ttagctagtt aaaacaataa gtatcatcta 420
 atttgggtgt ttattttgca gatgagaaaa cagacctaga accgtggcat gttttgcctg 480
 aacatacag tgagttagag acagggccta agatagcttc tagcatcaga tcaatcccaa 540
 gaatccatca gcaacctcag accaacccaa gaagataatt taaatctata ctgcttattg 600
 gtcaatatat ttggttctag tattaataaa gaaacaatgt tattaataa gcatacatag 660
 tagtaaaata aaaataccaa aagtggtgtg atttatagct gtttgagatg ataaaagtga 720
 agcaaagcct gttaaatcat tggaagactt ggaaacagtt attttaagt aaacaattac 780
 atgtactaaa aaaaaaaaaa acaacaaaaa aaaaaaaaaa cgctggggga ccctggggcc 840
 aaggcgggtc cccgggggag aaattgggtt ccccgcccaa aatccccccc aacagtgcgg 900
 agacaagagg gcacagacga cagagcgacg aaggaaacac aaagagcaag cgaacagaa 960
 gagcacaacc agaggcagac aaccag 986

<210> 125
 <211> 986
 <212> DNA
 <213> Homo sapien

<400> 125
 agaaaaaaaa gaagaatgat catataggag aatgggggtca ctacatgcag ctcgagcgga 60
 cgcagtgtga tggatgcggc gcccgggcag gtactttgtc cctgattaaa taatgtgacg 120
 gatagcaatg catcaagtgt ttattatgaa aagagtggaa aagtatatag cttttagcaa 180
 aaggtgttgg ccattcttaa gaagatgagc gaatatatag aagatactgt tgggcatttc 240
 ttctgttag gtggagctgt atgctgttga cgtttctccc catactcttc ccactctgtt 300
 ttctcccat tatttgaata aagtgactgc tgaagatgac ttggaatcct tatccactta 360
 gattttaatgt ttagagaaaa acctgtaggt ggaaagtaag actccttccc tgaattgtca 420
 gtttagagca acttgagaga agagttaga aaaaaataaa tgcacataga aaaagagaaa 480
 aagggcacaa agggattggc ccaatattga ttcttttttt ataaaacctg cttttggcctt 540


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agaaggaatg actctagcta caataatata cagtatcggt caagcaggtt cctctgggtg      600
ttgcattaaa tgtaatccac ctttaggtat cttagaacca cagaacaac actgtgtttg      660
atctagtagg tttctatttt tcctttctct ttacaatgca cataatactt tctgtatttt      720
atatcataac gtgtatatgt taaaatgtga atgacttttt tctgtaatga aaatctaaaa      780
tctttgtaac tttttatata tgcttttggt tcaccaaaaga aacctaaaaa ccttctttta      840
aaacaaaaga aacaacgac aaaaaaaaaa aaacaaggct ggggggtacc tgggccaaag      900
gcggtccccc ggggaatttg gtccccgccc ccattcccaa cctccgcaa gaacaaggga      960
acagaagaaa aaaaaaaaaa aaaaac                                     986

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<210> 126
<211> 556
<212> DNA
<213> Homo sapien

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<400> 126
acctattcac cattccaacg tgaagaagct ctgcatgtag gaaagaataa ttaacacact      60
tatagtctac tgccccatga aggatcagct ccggctaaga ggccaagat gggtgacatc      120
gtcatgctct gccttttatt ttttctttct taccaccta gcttctaatt tggaggaagg      180
aggcgtggta aaggatatgt aagactatgg ttttaattaga ccagaaaaa ctgtcataat      240
ctctggcgct cagtcagaat gtccagtttt gtctttgggc caagataagg gcagtgggat      300
ttatgatgtg ttgtttatag tctgaaacta ctctggtgat caccagggtc agtttcttta      360
atcgatgggt tccaagctgg cctaagtaca ttaagttaga gactgggctg ataaacatga      420
ccagacgaga cataaagacc ctggtgggaa tgacattgaa ctctcaagt caagatttct      480
tacacaaatc tatcagctgg agaataatga gaggcagctg tggatatagt gtgcaataa      540
ggacattatg aagctt                                     556

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```

<210> 127
<211> 1327
<212> DNA
<213> Homo sapien

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<400> 127
ggaagacctg attgggaata gtcgaaagcc ttgatattgt caaagaaag accatttgat      60
caaccaggtt cttaatacac gatactaact taaaatatag actcaagtta tacgataatt      120
caaacattta ttgtatttat actattctat atgtactttt ccaggaaacca ggaatacaaa      180
actgacatgt tctctgtaca gaggctcaga ctagtagaga acagtttagt acgccgttaa      240

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ttataaacta atatgtatca tcaattatgg gtttttatgg gggtttgga ggtggaaggg	300
accagggaga gatgatgagt gatgatgggt atgtagtctt taggaggatg caattataac	360
attgctcttc ctttcacgca ccacatgatt tagcaagtac ttcataattg ctcaccatt	420
aacatggtea atggcttctg gatactcaca gttcaggcac agtttctcct gaagattttt	480
tacctctccc atctttaaga aattgtctgg atgtccatga aagatgctga cacttgatt	540
aattcattaa aaaacaccac cccctccctg aaataaacta aaaagtaatg aattcataga	600
aaaaaatttc accaagattg aaactagaga atatacctag acttgcaact tgagcttga	660
gaaatgtgta cctattcacc attccaacgt gaagaagctc tgcagtagga aaaataatta	720
acacacttat agtctactgc ccacgtaagg atcagctccg gctaagaggc caaagatggg	780
tgacatcgtt atgctctgcc tttatTTTTT ctttcttacc cacttagctt cctaattgga	840
ggaaggaggc gtggttaaagg tatatgaaga ctatgggtta attagaccag aaaacactgt	900
cataatctct ggggtcatca gaatgtccag ttttgtcttt gggccaagat aagggcagtg	960
ggatttatga tgtgttgttt atagtctgaa actactctgg tgatcaccag ggtcagtttc	1020
tttaatgatg gtttccaact ggcctaatac attaagtaag actggctgat aacatgacca	1080
gacagacata aagaccctgt tgggaatgac attgaactct caaagtcaag atttcttaca	1140
caaatctatc agctggagaa aatgaaggca gtgtgtgata tgtgtgcaaa taaggacatt	1200
atgaagctta aatatggaat gtctcttggg cccccgatg catctgtatt ctcttttct	1260
tcttgtacta tatcctttgc ctgtaataa aaggtttatt tgaaaaaaaa aaaaaaaaaa	1320
gatcggc	1327

<210> 128

<211> 472

<212> DNA

<213> Homo sapien

<400> 128

accctttatt aagctgtgag cttcttgagg gcaaggactg caattcatta atcattttgg	60
agaaaagtga ataattctga agaattcggg ggttcagtag cttgctgggt atttgtttct	120
ctatggctta tcatctaagt gagataacag atagtagata attgataaa ttaatctggt	180
acctaattac tgagaggatt cgattcttgc tttatgttat tactgaaaca gactgcccag	240
taatcttctc tagagagcaa ttaggtttgc aatgagttat tttattgaga atgctacttg	300
gaattaaatg tttatagcac tatcttgata taattttaa ataatttaaa tgtgctgaag	360
tatcttcatt cagataactt gttaccctt aacaaaaggc tgcttgagta ttgtttctct	420

cccatttggc aaacaccaga tgcagtgtt aataaaggctc attatgtctac tt 472

<210> 129
<211> 1040
<212> DNA
<213> Homo sapien

<400> 129
ggggatttag gttatttttc actttaaacg ggctattaac ttcacgtgag aaaaaactg 60
tagaaacgtt aactcctgta gaatgatgac tatctgtggt gtagtaagat catacaactt 120
ctctacttgt tactgtgagt tgcttaataa atggcagtac aagtgtcaaa tccataatta 180
gtcaatatca agagctgcat ttggattgc atgtactgtc ccaaatatat gttgtgcaag 240
ttactttgta tcatgttaat ggagaaaaga gtggatatta tgaaatcagc aatataaatc 300
aaatgtatat gtggtctctc aatgtaattg aagggtactca gtgttctcag acactcatgc 360
aatatcttgt gttgctttct cagatttttt aggtgtatca taggggatag ctgggaactg 420
gtagagcaga ggtactaagt tccacctgga aatgcttttag agtagctctt tgaatatgtc 480
tttacttatt atcttacagc gtatgtgtat atgattattt tctagagggg cgtacctctt 540
attaagctgt gagcttcttg agggcaagga ctgcaattca ttaatcattt tggagaaaaag 600
tgaataatc tgaagaatc ggtggttcat gagcttgctt ggtattttgt tctctatggc 660
ttatcatcta agtgagataa cagatagtag ataattgata aatttaactt gttacctaat 720
tactgagagg attcgtattt tgctttatgt tattactgaa acagactgcc cagtaactct 780
ctctagagag caattagggt tgcaatgagt tattttattg agaatgtctac ttggaattaa 840
atgtttatag cactatcttg atataattta aatataattt aaatgtgctg aagtatcttc 900
attcagataa cttgttacc ctttaacaaa ggctgcttga gtattgttct tctcccattt 960
ggcaaacacc agatgcagtg attaataaag gtcattatgc tacttaaaaa aaataaaaaa 1020
aaaaaaaaaa aaaggcggcc 1040

<210> 130
<211> 242
<212> DNA
<213> Homo sapien

<400> 130
agtttttatc ttttcttgac ttttctcct gaacacttat gtcttagcaa gtggtcaaca 60
tgaggatttg aacgcctaatt tgttggtaaa tgggtgaggc atgacaaaaa tattaataac 120
cactgtttac catcacgtta tttgaaacaa aagtgaccat gtatactatc ttgcttgaaag 180
aagtctttga cagaaaaagc aatatcatgt catttataaa ttttcttgtt ctaaaagaaag 240

242

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<210> 131
<211> 1689
<212> DNA
<213> Homo sapien
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400> 131	gtttgcaggc	cagatggtct	ctgtggcagc	tactcagctc	tgcaatttca	gtgtgaaaga	60
	agccatagac	agtacttgaa	tgaaggactg	tggtcggtatt	ggccttttag	tttgaccccc	120
	tacattaggc	cccaaatttt	cttaccctga	ggtgctgata	tctgtatgga	tgagttattt	180
	gtcactaaag	ttatgagttg	tgccctaaaag	ttaaaactgt	tgactgtatt	atgtaatgat	240
	cagtatttca	gttggaaga	tattttagag	tctagataat	tatgttttga	tattgaaaaa	300
	atgggtgccca	gtttttaagt	tccttaaatg	aagagaatta	tgtctcagca	catataacag	360
	taatgctaata	ttattgaaac	tactgctgtt	agagcacttc	ttattcattg	tcttttagtg	420
	aaatttatgg	cgtaacacct	tgctcagagag	gaggetatat	aattcggagc	ggaaattgtc	480
	tataagtagg	catttatttc	atgattgata	tgtcacagaa	atcatggtag	taaatcacat	540
	tgctatttga	ataccctggt	tttgtaagtt	tttaaaactc	atattctgaa	aagatttcat	600
	tctcttagtg	ttagcttggt	agttagattg	ccatgattaa	actattattt	atccttgtgt	660
	aatattatgtt	tttaacttta	acatctgttt	ctttttaatc	tataatgagc	tagtttttatg	720
	gaaaatggaa	tttcttacta	tataaagaat	acagagactc	attgtattag	agaatcaagt	780
	cagccagcta	aagtatccta	ctgttaaactc	cttaaaccta	attttggaaa	agagaaagt	840
	aatcaatgta	tttacccttac	atgttggaaa	gaactatggt	aggctcgatt	catgtgaaga	900
	agatgttgca	aaggatttat	ttcacaaaatt	ttaaaggaga	tatgagtaaa	agttttttatc	960
	ttttcttgac	ttttctctct	gaacacttat	gtcttagcaa	gtggtcaaca	tgaggatttg	1020
	aacgcctaata	tggttggtaaa	tggttgaggc	atgacaaaaa	tattaatatc	cactgtttac	1080
	catcatgtta	ttgaaacaa	aagtgaccat	gtatactatc	ttgcttgaag	aagtccttga	1140
	cagaaaaagc	aatatcatgt	catttataaa	ttttcttggt	ctaaagaaaag	cagttatata	1200
	tatatataaa	ttatgtaaat	aaaagttatt	ttatatcaaa	aaaaaaaaaa	aaaaaaaaaa	1260
	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aagaaaaaaa	aaaaaaaaaa	aggggggggg	1320
	aaaaaaaaaa	cagggggagaa	tataacattt	ataaaagcaa	aagataaaat	gaagagagag	1380
	ccagcgtcta	tcaaaaaaac	agaccgatcg	aagaagaaa	cagaacaaag	aggttaaaat	1440
	ctgaggacga	gaaccaattt	gaccgggat	taaaaaagag	gacaccaccg	cacaagaatt	1500

cccgaggagg aaataaacta ggagttgtac tacgaaccac cctaataacg cagcaagacg 1560
 tgccgacatt aaacaataag cggcgaaatc tacagggaga agaataacag gtaccgagga 1620
 tacacgatag cagcgagagg agaagagtca acacgacaac gtagaggcag aacacacggc 1680
 acagagaac 1689

<210> 132
 <211> 776
 <212> DNA
 <213> Homo sapien

<400> 132
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 tgtctggaga tagacctga atttaataaa ttttaggcac tataccattt cagtggagaa 120
 gattgttggg aaatttgggg ggatggatat ataaggggga ggaagtcact ggccagtttg 180
 aggtgcttcc attggtctgg gtaactagcc atttcttctc gattgtgcct agtatatccc 240
 agacagtttg tttctatgca gaagaatatt atatgaaatt ttcatattctt tgcaaaaact 300
 tgttccttct ttcagttcat gacatcatcc atgctaaagt ctgagtcacg tgcttccatt 360
 tttgttattc cccacatcca gtcttcagct aagtctgtgc agttctacct caagtctttc 420
 ccgtctttct tcttcacctg tgtaatttca gtagtctctc agcttcactt aagctcttac 480
 tccagcctac tttatacaca atgttagatt catcttactg aaacatagtt ctgaccatgt 540
 attccatgca tgtgttctct ctccctatt agactgtaag ctcttatgg gcaggatctg 600
 tgtctgagtc atctttgtat cttgcctagc acctatcaat aaatacttct gtgaatgaaa 660
 aaaaaaaaaa aaagaaaaa aaaaaagggg ggggggaccc gggggccaag gggcccgggg 720
 gaatgggttc cggcccaatc cccattcccc ggcgccaaaa aagaaaaaag ggaaag 776

<210> 133
 <211> 2910
 <212> DNA
 <213> Homo sapien

<400> 133
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 ggtgttcgt gcggtttgtt ggggtcggca tagtgacgca caggtgttcc ttgcgcagtt 180
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 ctttataggc acccttgtta cactaggcgg gggttccgtt agctcggggc cctcgtgggg 300

gtctctggcg	gtgccctctgt	gtgggttgtgt	cgctgagaag	tattttattga	taggtgtctag	360
gcaagataca	aagatgactc	agacacagat	cctgcccata	aggagcttac	agtctaatag	420
gggagagaga	acacatacat	ggaatacatgt	gtcagaacta	tgtttcagta	agatgaatct	480
aacatttgtgt	ataaagtagg	ctggagtaga	aggttaagtg	aagctgagag	actactgaaa	540
ttacatatagt	gaggaagaaa	gacggggaag	acttgaggta	gaactgacag	gacttagctg	600
aagactggat	gtggggaata	acaaaaatgg	aagcagatga	ctcagacttt	agcatggatg	660
atgtcatgaa	ctgaaagaag	gaacaagatt	ttgcaaaгаа	atgaaaaatt	catataaaat	720
tcttctgcac	agaacaacaac	tgtctgggat	atactaggca	caatcaggaa	gaaatgggcta	780
gttaccccga	ccaatggaag	cacctcaaac	tggccagtga	cttcctcccc	cttatataatc	840
catcccccca	aatttcccaa	caattttctc	cactgaaatg	gtatagtgcc	taaaattttat	900
taaattcaag	gtctatctcc	agacatggcc	tcctctggga	atgaaaacag	aaatatatta	960
agttattcaa	ctcagtaagt	ttcatctaaa	gactctagtt	atgagtcact	gtaccttctg	1020
gtggaataca	gagatgaact	cctagtctct	tatcttctag	gagcttacag	tctagttaag	1080
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gaagagtggg	agaaataact	caaaagtaat	attaagacct	tgatataaac	atggcattgc	1560
caggcactaa	acaggggtaca	cgctaagac	caaatgtctg	ccccctagga	gcttacagtt	1620
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actacagaag	caactggggt	aacatacaaa	aagtataacc	ttcccttttt	ctcctgacaa	1920
actttaacag	ggctgccctt	cctacagtga	atctaaacctg	atgatcacca	tattacttct	1980
aaaagcagat	ttgggactct	actaaccaat	tctctctgat	cctttgtaaa	atgaaggggt	2040
tgtacaagtc	acttctcagt	cctttccagc	actaacattc	tatgattcaa	agaattctga	2100

gagtttctct gttccttttg gtaataacca aaatagaaga aaaaaattta agtctgatgc 2160
 ttctcactca aaaatataat tattttctat ataaatcaca aatgatccct atgctatcag 2220
 ctaaatttta ctccaccct atccttcttc aaaatccatg aattttttaa aaccacatgt 2280
 cctacaagct accttagcat gcaccaaatg atttttcaaa aagttttctc atctcctact 2340
 cccttatacc aacttcttgg tataatgtca tttaaagggc caaatcagtg tacatccaat 2400
 cttcataaca aaatttttaa atttaggaga acaactgaca tcaaagcatg aggacagtga 2460
 gtaaccgaag tgggttttgt tggtttctaa ttttttggtt tttagagaca gggctctact 2520
 ctgtcacca ggttagagtg cagtggatg atcataactc actgcagcct ccaactcctg 2580
 ggctcaagca atctcctgcc tcagcctcct gagagacgga gactatagga atgcccacc 2640
 acatctggct cacttttcaa ttatctgtag agacagggtc ttgctatgtt gcgcaagctg 2700
 ctctcaaatt cctggcctcg agcaatcctc tggcctcagc ctcccacagc actgggatta 2760
 caggcatgag ccaccccacc ccaccccaaa gtgattttaa cttcagcaat agttaaaact 2820
 gtttctatcc aggttaaaca ggatttaatc ttccatctaa ttactatcaa aaatataggc 2880
 aaccttcccc aaaagtgggc ttctgaaaaa 2910

<210> 134
 <211> 466
 <212> DNA
 <213> Homo sapien

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 gatagaaacc cccgctgatt gttgtt 4106

<210> 143

<211> 192

<212> DNA

<213> Homo sapien

<400> 143

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gggacctgag actttccaga attcacacag cagtctatga tccctcaaat gtaagaggac 120

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<210> 144
<211> 2641
<212> DNA
<213> Homo sapien
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400> 144	tttttttttt	ttcttttcca	agttatttaa	tttacagcat	cagtcctcaa	atataataat	60
	attaagatag	cagtttagaa	attaactttt	tttcagatca	ctctaacata	aaatctctca	120
	actgaatctc	tagttttgtct	catttttgta	agagctttaa	tattacatgg	gaagttcaga	180
	gacttctatt	tccatccctc	aacatgtagt	gacagtcaac	atgtcaggct	ctgtagcacc	240
	gtgatatccc	agcaccagac	cactccagcc	accctctcat	tcaaagaagg	gctacaagat	300
	atggctggac	tactcgaatc	acatctgac	ttaatcaatc	caggtataga	aagttgtact	360
	ataaagaata	ctttccaaaa	ttgttcactc	aaataaaaac	agatcaagtc	attacagagc	420
	atttttccat	tttaataaga	ataacagacc	tactcaaggt	aattttattc	tgtttattta	480
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<210> 145

<211> 490

<212> DNA

<213> Homo sapien

<400> 145

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taaactgaaa actaacaata gaaatattat ttactgcat tgaaatacca tgaactttca	180
gacttgtagt ttctacaagc agttgtgcta ccttaatttt gtgtttccag aaataaaaaat	240
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gctttataag ataattataa aattatataat ttttttctgt ttttgtgggg ttgggaaaac 360
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 gatgatggaa gactttgtaa taaaaacata tgtcattatc ttcaatttgt tccatacata 480
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<210> 146

<211> 3361

<212> DNA

<213> Homo sapien

<400> 146

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 atatagtta gagttttgaa tgagggataa atagaaagca gaatgaatta atggaaaaga 180
 actcggctgt taggccatc tctaaattct agtttagcca aaagtttatg tgtggtttgg 240
 ggcttcattt atttatctca tgagtaaaat gggataatac ctaacaggca ggctctggaa 300
 gttggatata acatacacac acacacacac agacacacac acacacgac aatcatgtag 360
 ctcatattag atgttcaata aataacagct actacagatg cctatcagtt gagtaagtag 420
 ttcattaaat tgagctccca aaggtctctt ctcttcacat ccatatccgt ttctcgagca 480
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 ctactaaactg ttcttctac ctggtatagg agataaatgt acgtttctta attagctgac 600
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tccaagacct tgtattctga agaaagctag agtttctcta cgtgggcctt caattttctt 3180
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 ctttccagca ttacagatga aataatttgg cgcaggettt ttaactgtct accatattta 3300
 gaatgtggtg tcaaaatgag atttttagaa ctgctgtaaa atattactac attactacaa 3360
 c 3361

<210> 147
 <211> 271
 <212> DNA
 <213> Homo sapien

<400> 147
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 gattcctggg aaggcaggcc tagtgtaaac aattttatct tctagaaaag acagaagttt 120
 agagtatatg aaatctaat ttttaagtatg gttggcaact aattgactat cgtctaccat 180
 aaggttatat gataattatt agggcaggag agtgaatgca tcttaatatg catggcagaa 240
 ctgtgtgttt ccttccatct ggattttcat a 271

<210> 148
 <211> 1148
 <212> DNA
 <213> Homo sapien

<400> 148
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 acctgaatgg aaaccagcc tctactactg taacttaaca ctgggcagtt acttgttctt 120
 cctgagctc aaattttctt tctctgtaag aatgggaatt aatgccacc tacgggttgc 180
 aagtgcttac aggagctggg caagcaacga aggttaagagt tctagagact tcggttaact 240
 ggagcacatg attcctggga agcaggccca gtgtaacaa tttatttttc tagaaaagac 300
 agaagtttag agtatatgaa atctaatttt taagtattgg ttggcaacta attgactatc 360
 gtctaccata aggttatatg ataattatta gggcaggaga gtgaatgcac cttaatatgc 420
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 aacgatctga aaaaagtact gtggcatgta acatctttta ttcattttat taggcattag 540
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 agcgtaatgc cccttgataa tttacatata tgtgaacgtg gctgtgatag ctgctgatgt 720

tcacacatag gccatcttac atgtaatgat tccatgtttg gacttaaaaca gcttcacaca	780
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agtttgaga tgatgagcta aaagtattac acatggagcta ttgtaaaaaa aaaaaaaaaa	1140
gcaagctt	1148

<210> 149
 <211> 1139
 <212> DNA
 <213> Homo sapien

<400> 149	
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gaagacacta ctcatataaa gtcattgtta ctaatccagc accataatc cagtctcaga	180
acctcccatg cagattggaa agggattatg ggaacgaggt gagtatgtag gacatgtcgg	240
cgctagtaac atcaaatgta cggccccata ttgtctcgct tcacaagaca aaaaacacag	300
ggtctccca aagtaagcag aagatgacat gacggcatgg agacgaaaa caaacgcta	360
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cacacagcag gccacgcgt agagagaaca agaatacaaa ggacaagcga gtatgtgtag	600
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atacacacca gagggggagc atcagacaca ggacaaaacc actaaagcag gagaacatgg	900
cgcgaaaagg ctgaaactaa cagcacaaac acgcaacgag cagcgaacag ccgatcatag	960
gcgtgacacc cgactacagc aaaagaaaac gagaagtat cgacacaagg gatgacaagg	1020
aaacaggcta atggcccaag gagaggaaca ataagatgga tgagcacagt agggcgaaca	1080

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<210> 150
<211> 267
<212> DNA
<213> Homo sapien
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tgtaataatt	ctgtgagatt	atatcttagt cagctagaat gtctctgactt gtaggaatac 180
cactaagga	aatcagaaat	cacggtagag cgtcagcaat ttactctcaa atgggtcaga 240
gaaagaaagt	tctttgtagt	aaagctt 267

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<210> 151
<211> 300
<212> DNA
<213> Homo sapien

<400> 151
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ccttgaagac atatcatgtg tgagataact tccttcacat ctcccatggg ccctagcaaa      120
atgctaggcc tgtagtagtc aagggtgcct gtaaatattt gtttgggtgg tttgtgagcc      180
ttgctgccaa gtcctgcctt tgggtgcaga tagtatgaa gtatttgaga gagagaacct      240
ttccactccc actgccagga ttttgtattg ccacgggtg ccaataaat gctcatattt      300

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[illegible]


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<210> 153
<211> 784
<212> DNA
<213> Homo sapien

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<400> 153
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gaaatagaag acaggtggaa taagtatatg ttcagagttt ttagatgtgt tgagtagaga 180
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gttgggtgctg aacagtcagg gattgtcttg actagacttc tgatgctctc gcattctctt 720
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tagt 784

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<210> 154
<211> 2184
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature

```

<223> a, c, g or t

<400>	154
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gagcttcaaa atgc aaagtg aatgattagt aaaattatgt ctcattttat tttttcagca	180
cccataccac aattaatat aggtctggatt gccatgggaa acattttttg gcattaatgc	240
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gatcaaattt atttatttga catattcгаа gctgtgggtt aatagggaatt tgagaagggt	360
gtaagaataa ggataaaaag aaggtcagca ccattgtacca ggaatagcct tactttccat	420
acatagaaat ataattttag tggataccta tattacttta gtgtcgtacg ctttgttaaga	480
cttaaatatt ttattctatt gattccacta ctttggtagt ttaagacatt tctttaaaga	540
tgaacaacia tatcettatt ttaggtgccac ctaccagatg taagcgtata cttagttgcc	600
gttagatgtg acagaatgag ataattttat taaagcagta gagtacctgg cacaaagcaa	660
acaataaata ttattgttat tgtttgtata attgtaaaat gaatgacttc aaaaacatag	720
tcccagtttg gagggtattg tgatgcagaa tatctaagtc atagaaatag aagacagggtg	780
gaataagtat atgttcagag tttttgatg gtgtgagtag agacggtaat aatggaagca	840
ttaaatacaa atgaaaaatca caccagatat ccctgaaatt caagcaaaga aagttcatca	900
tgtattcttg ggcagcaaga gaaaggacta gggttatggc aatgtgtgga aaagttgagg	960
cttgctaagg gttgagatct gttggtagcc ctggatcaca tggggctcag accaggcagt	1020
gcctctgaaa ggcggagagag gtccctggact tcccttgtgt ataacagttc ctagtgtcca	1080
acaatgagga aacgggtgaag catggtttaca aaactgtgac aaaaatatatt acatctagca	1140
ctgtttaccac tcacatgccac aacattggct gcacacgtgc agccttattt gtaatttaaca	1200
tcaaaagact agatctgaag ccttccataa atgagaggcc attcatatgg cattcctgga	1260
acaaaacact gcacaggtag cagcctctcc actcctgacc ggggttggtgc tgaacagtca	1320
gggattgttc ttgaactaga cttctgtagc ttcttgcaat cttctttcat ctttccctga	1380
aatacacaaa ataacaacaa acaataacaa atagtaatta aatgactttc aggataaacat	1440
ctagtgtgtc agacttcacc cttcacaggt gtgtgtgtat gtgtgtttat gtctgtatat	1500
tgaagcaatt tgaatttatt tactgtatat ttctcgagta aaagactgaa atgaactact	1560
tggttcagat catggtgtcc attggtgaca ttgtttggag qcataaatatt ctttatatgg	1620

aaaatccttt aattccacag ttagttacct cagattcaga atatgaatac tgtttataat 1680
 acgcttttgt aggaatgaat tcgaaaggta gttgtcagta acaaaaagca caacaaacta 1740
 atctcagagt ctgccctgat ggctgtgata gggacagaaa gctaaacctt actgctgacg 1800
 cgccccgcac attgggcgca gaatttccca agaaaacggg gcaaatcacc gccacggtcc 1860
 taactctgaa ctctatacgg gccatctcgc ctaaacctact acaaggcagc caggggaaag 1920
 gactctccgn tcgcagctcg caagcctacg gccccgaac gacaggcgca ccacgacacc 1980
 accggcgcgt ctacagagaca tgatcagcgt caagggcacc tgaaaaaacg atgccccaac 2040
 tagtgcgcc cgcaaccagg cagacactaa gcttgatagc acagcgactg caccaagagc 2100
 taatcacgca cacaaccaa gacagaaact acccactcta tcactacagc gacgacacta 2160
 gaaacaacct gcaattgtta ctgc 2184

<210> 155
 <211> 418
 <212> DNA
 <213> Homo sapien

<400> 155
 actgtgctta ttaatctact tactaaattt tcacattgac atttttgggg atgatactac 60
 catatacgaa atggaaaatg taatatgctc agtgcttctg taaaatcgag caatactgggt 120
 attactttac atcagtaggc atctttgaca tgagcatata aatattttgt tgactcagca 180
 aaggtgacac tttgtggact aaagtatccc attatatata atgttttttg aaatgttgga 240
 aattttgggg aattatcaaa tgtatagaag ttgcatgaag gttatagaga ggtgtaactg 300
 tttgttaact attacatgga ttccatacta ggcagtgaca actaacatgt tacttcaact 360
 aaaagtgtat aatgggttgt ctttttattt atgaaacata acaagtaatt ttacttac 418

<210> 156
 <211> 941
 <212> DNA
 <213> Homo sapien

<400> 156
 tgagtttttt tcttgaacat acagaagtac taaatactgc ttgcagtata atattgatat 60
 tggaaagtgc agtttccaga ataagtggag taataactaa acagacattt aattttattt 120
 caatatctat ggaaaaaaca cttgattaaa tctccctgta ttttatgttg tctctattac 180
 agaatcactt gtctgtttgt tgtgtgccc ttactgacaa aactttaaac agtacttgat 240
 gccagctctc tactctgtgg ctgcgggacc tgtttctttt aggtacttgt gottattaat 300
 ctacttacta aattttcaca ttgacatttt tggggatgat actaccatat acgaaatgga 360

```
<210> 157
<211> 740
<212> DNA
<213> Homo sapien
```

```
<210> 158
<211> 1888
<212> DNA
<213> Homo sapien
```

<400>	158	aaggatccttt	aattaaatta	atccccccccc	cgaacgggtt	cgctaactga	aatgatggcg		60
actggaacgc	cagagtctca	agcgcgggttc	ggtcagtcgc	tgaaggggct	tctcacggag				120
aaggtgacca	cctgtggtac	tgacgtaatc	gcgctcacc	agcaggtgct	gaaaggctcc				180
cggagctcgc	agctgctagg	tcaggcagct	cgaaacatgg	tactccagga	agatgccatc				240
ttgcactcag	aagatagttt	aaggaagatg	gcaataataa	caacacatct	tcaataccag				300
caagaagcta	ttcagaagaa	tgttgaacag	tcacgggac	tacaggacca	gttgaatcat				360
ctgttgaaat	agaatgacat	gtaagatgic	tgtaggactc	ctttgcctaa	tgctgaggag				420
taaataacct	acacagctgt	cctctggggt	tggttttcta	ttttcttctc	caaaaagttaa				480
gttagaaaa	ttcttgttta	ggcgccggcg	cggtagctca	cgccctgtaat	cccagcactt				540
tggggaggcg	aggcgggtgg	atcacgaggt	caggagttcg	agaccagcct	ggccaagatg				600
gtgaaacccc	gtctctacta	aaaaatacaa	gaattagetg	ggcgtgtggg	cgggcgcctg				660
taatcccagc	tactcgggaa	gctgaggcaa	gagaatcgct	tgaacccagg	aggtggagggt				720
tgcaagtgcg	caagatcgcg	ccactgcact	ccagcctggg	cgacagagtg	agattccatc				780
tccaaaaaaa	aaaaaaaaag	aaaaaaaaag	aaaagtctct	tgttgatgta	cagttttctc				840
taagaagaag	cagaggtggt	gaattttgga	agcacttctt	gaatcggatt	aacctatgct				900
cttattgaat	ttttctatct	gctctgttta	gtttgatatt	aaagcaaaat	taagaggtct				960
tagttttttc	tatagaacct	ttaatatgtc	aaaagctata	tgtgtctaat	ttcagtactt				1020
aagcaaatca	tgagtagtgt	tttaaattca	gaaatagagc	ttctattatg	aacacatgag				1080
aatgattttt	ttctcttaat	cattattaa	gaaatatttt	aatttcatgg	tcatataatg				1140
gtgataagta	atacctgatt	gtttcctttt	ctgttctagt	aactcagagg	agatacgtgt				1200
tttattttgt	atagcaaat	cctaaatgaa	cattaggcaa	gtggatcat	tatcaggcca				1260
gctgcagcct	cttgccctga	cctgcattcc	tagaatttct	ttgttgctgt	aattcttgat				1320
taagtgaact	tgactttcat	tttgtaattt	tgctaactcat	cagcaaatcc	acttgcatga				1380
cgttactgcc	aaatatgaag	gcagttgaat	tattatgagt	gattgtggca	gaggtttggt				1440
ccatggtgaa	aactttgatg	tttgtctgtg	ttcattggat	ccatcttttt	aatgacatt				1500
accatgagtc	tgttgctcaa	cctaaatato	ttgttttgaa	tttaaaatgg	gactctatat				1560
tgttgtagtt	caggtcttca	ttgactaaga	gattgagaga	aatctgacat	aagaaaaatat				1620
tgttttcact	gcaggaataa	agagggaagt	acagtgaaac	caatatagtt	catattgtta				1680
ttgtccaato	atcaagttaa	ctaagcatta	tcaqattacg	tttattttct	atacatatgg				1740

```
<210> 159
<211> 417
<212> DNA
<213> Homo sapien
```

```
<210> 160
<211> 1545
<212> DNA
<213> Homo sapien
```

400> 160	tctctctctt catgtacatg tctgtgcaca tgcacgcaca aatacatttg taatctcact	60
	cattaccttt acattttgtt tatcagtatt taaacagctg aactgcaatc atgacctaga	120
	atatggctta tgttatgggc aggtctgttt gaggactgct tggaagagtc agaggcagag	180
	gaatttgcta ttgtaagcaa aggtgacatt gctgagccat caggaagcgc tgtggctatt	240
	tctggaaaaa aagatgtcat attaaaaattg gataagttag agttgggtcat gtgcattggg	300
	ggcataatctg ggagaagagg aaaacttggg tgagcaaac caacaggctc gggaggagat	360
	tacaaaatgta tttgtgcgtg catgtgcaca gacatgtaca tgaagagaag gattgtgtgt	420
	gtgtgtctgt ataatcagtt ttcagttatc ttcatgaatg tagggaagcc atgtcagatg	480
	cagatactgg gttgtcagat aaacaagtta tcttcgttt tcaactgcac ggtgtacttt	540
	tttattttcc atagtagatt tacatttcca agttgatatt tcttaaatat ctaattagct	600
	ggaaatttgg ggagatcatc ttgtcatgta ctgggtagta ggagggagcc tagactttaa	660
	acttgattgt tgataactta tgaatatgtg agttaaattg ctactgaata aatataagca	720

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<210> 161
<211> 196
<212> DNA
<213> Homo sapien

<400> 161
acagtatgtg gcccatgggg tgggggaacc ctgctcttaa gggtcccaat tatcagctct      60
gaggtagttc aaagcaacaga gccctctgac gatgttcagg gagatagtc cgaatccca      120
agggggccaa ttagattcta atgggtgttaa aacacatctt aagggtttatt gtaaaaaatat      180
ctactctcct aagctt                                     196
```

[illegible]

```

caccacgccc ctcctgctgt gtgacccggg tcctgatgga ccatggacca gtaccagtat 360
gtggcccagg ggttggggaa ccctgctctt aagggtccca attatcagct ctgaggtagt 420
tcaagcaaca gagcccttg acgatgttca gggagatagt cccgatatcc taagggggcc 480
aattagattc taatggtggt aaaacacatc ttaattttta ttgtaaaaa atctactctc 540
ctaagcttag aacaatatgt agaagaaatg aagtggatgg tggaaagccct ggggggtggg 600
ccttcacagt ggggaaggct gtgggtggag agccagggca tcgggttaggt gaaggccagg 660
gatgccactc agcatcctgt agggcccggt atagcccgca gcagcacaga atgatcccaa 720
ggctaagaaa cctctatcta gaatgctctt gaatgttcta gaaccgaggt tctttctttt 780
cttttctttt ctttttcaag acaggaaagt gcttatcaca aagaaccccc gatctcgact 840
ggggaagggt tggcagttga ctctctggcc agcactatgt gtgacagca tcactagagg 900
tgtgaaggcc ccacagaggc tctggtgtgt ggctttgttt tgaccaaggc gtgcaggcag 960
tgggtctacg gcagggtcgg ccgcgcctc gcctcagtc cctcagcgcc ttctgtcttc 1020
tggctggatt cagagtcctg ggggaaagag actgacctc tcgacttgcc ctgagggtga 1080
ttacgaagcc tcagagccct tgttcaaggc agtcctggag gacacgac 1128

```

```

<210> 163
<211> 870
<212> DNA
<213> Homo sapien

```

```

<400> 163
tacgcattta ttttttagact gaacctaaag taggtgttc ttttaacaaa gggtttaatt 60
cgggtgggga atataacata tcaaaatata tgaaccaatg gaaagttact tctagaaaaag 120
caaagaaatt ggggtatcatt tttgtttctt gggaaagctaa ttttgttgaa tgtttagaat 180
tgagcaaaaga tgtaaaatttt tgaagggcag tttagaaaaa ttaacttgtg aatgaactta 240
agatgtctgt actctatatg tgatgctgtg cagttgtttt tatatggaaa gatgtcaact 300
atagccataa ccaataaaat aaaaactgat gaggcagcga gctttcagca catcttttat 360
acatgaagaa attaatttgt gttgctatgg tgttgaaata tccaagatgt tctgtatcta 420
tgtaaacatg attcctttta taaatgtatt ttattattaa caaacacaaa aaaaaacaa 480
aaaaaaaaag cggggggcgcc accggggcca agcggcccg ggggcagggt ttccgcgcca 540
aattcccca ataataaac caagagggtc agcaccaaga ctatataaac cgctttatat 600
acgagagtgt atatcatgga catcttagga ggagtggagc aaaggggtgg ggcggaggac 660
tcaatgatga agactgcaga cggagggtga ggaggggagg cagcgcagac aggcgaggcg 720

```



```
<210> 164
<211> 1186
<212> DNA
<213> Homo sapien
```

```
<210> 165
<211> 96
<212> PRT
<213> Homo sapien
```

<400> 165

Met Ala Phe Ile Leu Ala Arg Thr Val Gln Ile Val Thr Arg Lys Ile
1 5 10 15

Arg Asp Gly Lys Tyr Glu Gln Leu Tyr Phe Asn Arg Cys Arg Lys Gln
20 25 30

Ile Phe Phe Thr Val Glu Ile Trp Leu Leu Asn Leu Trp Gly Leu His
35 40 45

Thr Ser His Leu Glu Thr Arg Leu Gly Gln Leu His Val Glu Arg Asn
50 55 60

Asn Leu Leu Pro Asp His Ile Ser Thr Leu Lys Glu Val Phe Ile Thr
65 70 75 80

Arg Leu Phe Phe Leu Lys Thr Pro Asn Arg Pro Arg Val Thr Lys Asn
85 90 95

<210> 166

<211> 54

<212> PRT

<213> Homo sapien

<400> 166

Met Cys Arg Val Pro Ser Pro Lys Val Asn Leu Glu Pro Leu Asp Asn
1 5 10 15

Thr Asn Lys Asn Ile Tyr Phe Thr Ser Val Ile Tyr Leu Glu Asn Val
20 25 30

Leu Ser Ile Leu His Ile Phe Leu Ile Lys Ser Thr Gly Asp His Cys
35 40 45

Glu Val Asp Ile Leu Phe
50

<210> 167

<211> 50

<212> PRT

<213> Homo sapien

<400> 167

Met Val Phe Tyr Tyr Tyr Tyr Tyr Gly Phe Lys Lys Ser Asn Phe Ile
1 5 10 15

09989890.142101

Ser Phe Cys Lys Glu Leu Ser Asn Ile Leu Tyr Arg Phe Cys Glu Arg
20 25 30

Thr Tyr Phe Leu Thr Val Ile Phe Ile Ser Phe Lys Ile Phe Val Ser
35 40 45

His Leu
50

<210> 168
<211> 229
<212> PRT
<213> Homo sapien

<400> 168

Met Ala Glu Glu Met Glu Ser Ser Leu Glu Ala Ser Phe Ser Ser Ser
1 5 10 15

Gly Ala Val Ser Gly Ala Ser Gly Phe Leu Pro Pro Ala Arg Ser Arg
20 25 30

Ile Phe Lys Ile Ile Val Ile Gly Asp Ser Asn Val Gly Lys Thr Cys
35 40 45

Leu Thr Tyr Arg Phe Cys Ala Gly Arg Phe Pro Asp Arg Thr Glu Ala
50 55 60

Thr Ile Gly Val Asp Phe Arg Glu Arg Ala Val Glu Ile Asp Gly Glu
65 70 75 80

Arg Ile Lys Ile Gln Leu Trp Asp Thr Ala Gly Gln Glu Arg Phe Arg
85 90 95

Lys Ser Met Val Gln His Tyr Tyr Arg Asn Val His Ala Val Val Phe
100 105 110

Val Tyr Asp Met Thr Asn Met Ala Ser Phe His Ser Leu Pro Ser Trp
115 120 125

Ile Glu Glu Cys Lys Gln His Leu Leu Ala Asn Asp Ile Pro Arg Ile
130 135 140

Leu Val Gly Asn Lys Cys Asp Leu Arg Ser Ala Ile Gln Val Pro Thr
145 150 155 160

09999999-11211

Asp Leu Ala Gln Lys Phe Ala Asp Thr His Ser Met Pro Leu Phe Glu
165 170 175

Thr Ser Ala Lys Asn Pro Asn Asp Asn Asp His Val Glu Ala Ile Phe
180 185 190

Met Thr Leu Ala His Lys Leu Lys Ser His Lys Pro Leu Met Leu Ser
195 200 205

Gln Pro Pro Asp Asn Gly Ile Ile Leu Lys Pro Glu Pro Lys Pro Ala
210 215 220

Met Thr Cys Trp Cys
225

<210> 169

<211> 56

<212> PRT

<213> Homo sapien

<400> 169

Met Tyr Leu Lys Glu Lys Tyr Pro Asp Leu Lys Pro Thr Ala Asp Val
1 5 10 15

Ala Asn Phe His Thr Thr Ala Gly His Gly Ser Leu Leu Thr Thr His
20 25 30

Cys His Leu Arg Leu Cys Leu Cys Phe Ile Gln Arg Glu Arg Gly Gly
35 40 45

Leu Lys Gly Met Leu Pro Gly Gly
50 55

<210> 170

<211> 34

<212> PRT

<213> Homo sapien

<400> 170

Met Thr Ser Val Tyr Ala Thr Leu Gly Ser Leu Pro Asp Tyr Lys Val
1 5 10 15

Pro Phe Met Gly Cys Thr Met Phe Thr Leu Val Ser Gln Glu Asn Ser
20 25 30

00888800-112101

```
<210> 171
<211> 77
<212> PRT
<213> Homo sapien
```

Met Val Tyr Asn Leu Tyr Ser Phe Gly Leu Lys Val Thr Thr Arg Arg
1 5 10 15

Ile Arg Glu Ser Pro Gln Asn Pro Gly Ala Gly Leu Leu Ser Ile Leu
20 25 30

Leu Ile Thr Leu Val Phe Ser Ser Val Asn Lys Ile Ile Leu Leu Phe
35 40 45

Gln Lys Lys Lys Gln Lys Lys Gly Val Gly Tyr Pro Gly Pro Lys Ala
50 55 60

Phe Pro Gly Trp Asn Leu Phe Pro Pro Ile Lys Pro Lys
65 70 75

```
<210> 172
<211> 43
<212> PRT
<213> Homo sapien
```

Met Gln Glu Phe Thr Trp Leu Phe Glu Lys Glu Asn Phe Lys Val Ser
1 5 10 15

Gly Trp Thr Glu Ser His Glu Ala Arg Ser Leu Leu Thr Ala Arg Ser
20 25 30

Leu Glu Lys Gln Val Ser Gly Ser Phe Thr Ser
35 40

```
<210> 173
<211> 39
<212> PRT
<213> Homo sapien
```

Met Thr Gln Leu Tyr Met Thr Leu Ser Ser Tyr Gln His Tyr His Asn

```

1          5          10          15
Ser Asn Ile Asn Asn Tyr Asn Lys Ser His Tyr Tyr Ser Leu Glu Ala
      20          25          30

Leu Val Gln Asn Arg Phe Tyr
      35

<210> 174
<211> 48
<212> PRT
<213> Homo sapien

<400> 174

Met Leu Lys Gly His Tyr Gln Tyr Gly Met Glu Asp Leu Ser Phe His
1          5          10          15

Thr Phe Ser Ser Ser Phe Leu Asn Phe Leu Leu Leu Phe Leu Leu Ser
      20          25          30

Cys Met Val Ala Pro Phe Pro Phe Leu Leu Ser Val Pro Ser Lys Gln
      35          40          45

<210> 175
<211> 108
<212> PRT
<213> Homo sapien

<400> 175

Phe Leu Lys Arg Gln Ser Ile Ser Leu Leu Pro Gln Leu Glu Cys Ser
1          5          10          15

Gly Thr Ile Ile Val His His Thr Leu Glu Leu Leu Gly Lys Gly Ser
      20          25          30

Ser Ser Leu Ala Ser Ala Ser Gln Val Ala Arg Tyr Thr Gly Met Cys Tyr
      35          40          45

His Ala Trp Leu Ile Lys Lys Ile Phe Leu Glu Met Arg Ser Cys Cys
      50          55          60

Val Ala Gln Ala Gly Leu Lys Leu Leu Gly Ser Asn Asn Pro Pro Thr
65          70          75          80

Leu Ala Ser Gln Ser Ala Gln Ile Thr Gly Val Ser His Ser Thr Ala
      85          90          95

```

098990-112101

```
<210> 176
<211> 48
<212> PRT
<213> Homo sapien
```

Met Val His Ile Thr Phe Ile Gln His Leu Leu Glu Pro Arg His Cys
1 5 10 15

Asn Tyr Met Phe Phe Leu Val Thr Tyr Phe Val Arg Ser Cys Phe Leu
20 25 30

Ala Thr Ser Asp Tyr Ser Lys His Arg Lys Phe Asn Lys Thr Ile Phe
35 40 45

```
<210> 177
<211> 302
<212> PRT
<213> Homo sapien
```

Trp Ser Ala Asn Asn Trp Glu Ile His Thr His Thr Lys Asn Leu Asn
1 5 10 15

Pro Tyr Leu Thr Pro Asp Thr Lys Ala Thr Phe Lys Ala Ile Ile Gly
20 25 30

Leu Thr Ala Arg Ala Lys Thr Met Gln Leu Pro Glu Ser Phe Cys Gln
35 40 45

Lys Glu Asn Thr Gly Glu Asn Leu Ser Asp Leu Gly Val Gly Lys Asp
50 55 60

Phe Leu Arg His Lys Lys His Glu Val Ala Arg Gly Lys Ile Ala Lys
65 70 75 80

Leu Asp Phe Ile Gln Val Lys Asn Phe Ala Ser Leu Lys Asp Thr Phe
85 90 95

Lys Lys Met Lys Lys Tyr Ala Leu Gly Trp Glu Lys Ile Phe Ala Glu
100 105 110

Met Leu Thr Leu Thr Phe Cys Ile Tyr Arg His Phe Leu Tyr Phe Leu
1 5 10 15

His Phe Ser Tyr Val Asn Pro Pro His Ser Pro His Ile Ile Ile His
20 25 30

Tyr Asp His Glu Gly Phe Ile Pro Gly Tyr Ser Leu Ile Glu Asn
35 40 45

<210> 179

<211> 85

<212> PRT

<213> Homo sapien

<400> 179

Met Gly Gly Asn Gly Ser Thr Cys Lys Pro Asp Thr Glu Arg Gln Gly
1 5 10 15

Thr Leu Ser Thr Ala Ala Pro Thr Thr Ser Pro Ala Pro Cys Leu Ser
20 25 30

Asn His His Asn Lys Lys His Leu Ile Leu Ala Phe Cys Ala Gly Val
35 40 45

Leu Leu Thr Leu Leu Leu Ile Ala Phe Ile Phe Leu Ile Ile Lys Ser
50 55 60

Tyr Arg Lys Tyr His Ser Lys Pro Gln Ala Pro Asp Pro His Ser Asp
65 70 75 80

Pro Pro Ala Lys Leu
85

<210> 180

<211> 102

<212> PRT

<213> Homo sapien

<400> 180

Asn Gly Ser Thr Cys Lys Pro Asp Thr Glu Arg Gln Gly Thr Leu Ser
1 5 10 15

Thr Ala Ala Pro Thr Thr Ser Pro Ala Pro Cys Leu Ser Asn His His
20 25 30

Asn Lys Lys His Leu Ile Leu Ala Phe Cys Ala Gly Val Leu Leu Thr
35 40 45

0936390.12101

50					55					60					
Ser 65	Arg	Phe	Glu	Phe	Asn 70	Gln	Ser	Leu	Gly	Gln 75	Pro	Glu	Lys	Ile	His 80
Asn	Lys	Leu	Glu	Phe 85	Pro	Gln	Ile	Ile	Tyr 90	Met	Asp	Arg	Tyr	Met 95	Tyr
Arg	Ser	Lys	Glu	Leu	Ile	Arg	Asn	Lys	Arg	Glu	Cys	Ile	Arg	Lys	Leu
			100							105				110	
Lys	Glu	Glu	Ile	Lys	Ile	Leu	Gln	Gln	Lys	Leu	Glu	Arg	Tyr	Val	Lys
			115							120				125	
Tyr	Gly	Ser	Gly	Pro	Ala	Arg	Phe	Pro	Leu	Pro	Asp	Met	Leu	Lys	Tyr
			130							135				140	
Val	Ile	Glu	Phe	Ala	Ser	Thr	Lys	Pro	Ala	Ser	Glu	Ser	Cys	Pro	Pro
			145							150				155	160
Glu	Ser	Asp	Thr	His	Met	Thr	Leu	Pro	Leu	Ser	Ser	Val	His	Cys	Ser
										165				170	175
Val	Ser	Asp	Gln	Thr	Ser	Lys	Glu	Ser	Thr	Ser	Thr	Glu	Ser	Ser	Ser
			180							185				190	
Gln	Asp	Val	Glu	Ser	Thr	Phe	Ser	Ser	Pro	Glu	Asp	Ser	Leu	Pro	Lys
			195							200				205	
Ser	Lys	Pro	Leu	Thr	Ser	Ser	Arg	Ser	Ser	Met	Glu	Met	Pro	Ser	Gln
			210							215				220	
Pro	Ala	Pro	Arg	Thr	Val	Thr	Asp	Glu	Glu	Ile	Asn	Phe	Val	Lys	Thr
			225							230				235	240
Cys	Leu	Gln	Arg	Trp	Arg	Ser	Glu	Ile	Glu	Gln	Asp	Ile	Gln	Asp	Leu
										245				250	255
Lys	Thr	Cys	Ile	Ala	Ser	Thr	Thr	Gln	Thr	Ile	Glu	Gln	Met	Tyr	Cys
			260							265				270	
Asp	Pro	Leu	Leu	Arg	Gln	Val	Pro	Tyr	Arg	Leu	His	Ala	Val	Leu	Val
			275							280				285	

His	Glu	Gly	Gln	Ala	Asn	Ala	Gly	His	Tyr	Trp	Ala	Tyr	Ile	Tyr	Asn	
290						295					300					
Gln	Pro	Arg	Gln	Ser	Trp	Leu	Lys	Tyr	Asn	Asp	Ile	Ser	Val	Thr	Glu	
305					310					315					320	
Ser	Ser	Trp	Glu	Glu	Val	Glu	Arg	Asp	Ser	Tyr	Gly	Gly	Leu	Arg	Asn	
				325					330					335		
Val	Ser	Ala	Tyr	Cys	Leu	Met	Tyr	Ile	Asn	Asp	Lys	Leu	Pro	Tyr	Phe	
			340					345					350			
Asn	Ala	Glu	Ala	Ala	Pro	Thr	Glu	Ser	Asp	Gln	Met	Ser	Glu	Val	Glu	
		355					360					365				
Ala	Leu	Ser	Val	Glu	Leu	Lys	His	Tyr	Ile	Gln	Glu	Asp	Asn	Trp	Arg	
	370					375					380					
Phe	Glu	Gln	Glu	Val	Glu	Glu	Trp	Glu	Glu	Glu	Gln	Ser	Cys	Lys	Ile	
385					390					395				400		
Pro	Gln	Met	Glu	Ser	Ser	Thr	Asn	Ser	Ser	Ser	Gln	Asp	Tyr	Ser	Thr	
				405					410					415		
Ser	Gln	Glu	Pro	Ser	Val	Ala	Ser	Ser	His	Gly	Val	Arg	Cys	Leu	Ser	
			420					425					430			
Ser	Glu	His	Ala	Val	Ile	Val	Lys	Glu	Gln	Thr	Ala	Gln	Ala	Ile	Ala	
		435					440					445				
Asn	Thr	Ala	Arg	Ala	Tyr	Glu	Lys	Ser	Gly	Val	Glu	Ala	Ala	Leu	Ser	
	450					455					460					
Glu	Ala	Phe	His	Glu	Glu	Tyr	Ser	Arg	Leu	Tyr	Gln	Leu	Ala	Lys	Glu	
465					470					475				480		
Thr	Pro	Thr	Ser	His	Ser	Asp	Pro	Arg	Leu	Gln	His	Val	Leu	Val	Tyr	
				485					490					495		
Phe	Phe	Gln	Asn	Glu	Ala	Pro	Lys	Arg	Val	Val	Glu	Arg	Thr	Leu	Leu	
			500					505					510			
Glu	Gln	Phe	Ala	Asp	Lys	Asn	Leu	Ser	Tyr	Asp	Glu	Arg	Ser	Ile	Ser	
		515					520					525				

Thr Asp Leu Leu Gly Leu Gln Gly Pro Pro Thr Val Leu Thr His Gln
115 120 125

Lys Ala Gly Gln Asn Val Val Leu Ser Gly Phe Pro Ala Pro Ala Leu
355 360 365

Gln Ala Asn Val Phe Lys Gln Pro Pro Ala Thr Thr Thr Gly Ala Ala
370 375 380

Pro Pro Gln Pro Pro Gly Ala Leu Ser Lys Pro Met Ser Val His Leu
385 390 395 400

Leu Asn Gln Gly Ser Ser Ile Val Ile Pro Ala Gln His Met Leu Pro
405 410 415

Gly Gln Asn Gln Phe Leu Leu Pro Gly Ala Pro Ala Val Gln Leu Pro
420 425 430

Gln Gln Leu Ser Ala Leu Pro Ala Asn Val Gly Gly Gln Ile Leu Ala
435 440 445

Ala Ala Ala Pro His Thr Gly Gly Gln Leu Ile Ala Asn Pro Ile Leu
450 455 460

Thr Asn Gln Asn Leu Ala Gly Pro Leu Ser Leu Gly Pro Val Leu Ala
465 470 475 480

Pro His Ser Gly Ala His Ser Ala His Ile Leu Ser Ala Ala Pro Ile
485 490 495

Gln Val Gly Gln Pro Ala Leu Phe Gln Met Pro Val Ser Leu Ala Ala
500 505 510

Gly Ser Leu Pro Thr Gln Ser Gln Pro Ala Pro Ala Gly Pro Ala Ala
515 520 525

Thr Thr Val Leu Gln Gly Val Thr Leu Pro Pro Ser Ala Val Ala Met
530 535 540

Leu Asn Thr Pro Asp Gly Leu Val Gln Pro Ala Thr Pro Ala Ala Ala
545 550 555 560

Thr Gly Glu Ala Ala Pro Val Leu Thr Val Gln Pro Ala Pro Gln Ala
565 570 575

Pro Pro Ala Val Ser Thr Pro Leu Pro Leu Gly Leu Gln Gln Pro Gln
580 585 590

Ala Gln Gln Pro Pro Gln Ala Pro Thr Pro Gln Ala Ala Ala Pro Pro

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595

600

605

Gln Ala Thr Thr Pro Gln Pro Ser Pro Gly Leu Ala Ser Ser Pro Glu
610 615 620

Lys Ile Val Leu Gly Gln Pro Pro Ser Ala Thr Pro Thr Ala Ile Leu
625 630 635 640

Thr Gln Asp Ser Leu Gln Met Phe Leu Pro Gln Glu Arg Ser Gln Gln
645 650 655

Pro Leu Ser Ala Glu Gly Pro His Leu Ser Val Pro Ala Ser Val Ile
660 665 670

Val Ser Ala Pro Pro Pro Ala Gln Asp Pro Ala Pro Ala Thr Pro Val
675 680 685

Ala Lys Gly Ala Gly Leu Gly Pro Gln Ala Pro Asp Ser Gln Ala Ser
690 695 700

Pro Ala Pro Ala Pro Gln Ile Pro Ala Ala Ala Pro Leu Lys Gly Pro
705 710 715 720

Gly Pro Ser Ser Ser Pro Ser Leu Pro His Gln Ala Pro Leu Gly Asp
725 730 735

Ser Pro His Leu Pro Ser Pro His Pro Thr Arg Pro Pro Ser Arg Pro
740 745 750

Pro Ser Arg Pro Gln Ser Val Ser Arg Pro Pro Ser Glu Pro Pro Leu
755 760 765

His Pro Cys Pro Pro Pro Gln Ala Pro Pro Thr Leu Pro Gly Ile Phe
770 775 780

Val Ile Gln Asn Gln Leu Gly Val Pro Pro Pro Ala Ser Asn Pro Ala
785 790 795 800

Pro Thr Ala Pro Gly Pro Pro Gln Pro Pro Leu Arg Pro Gln Ser Gln
805 810 815

Pro Pro Glu Gly Pro Leu Pro Pro Ala Pro His Leu Pro Pro Ser Ser
820 825 830

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Thr Ser Ser Ala Val Ala Ser Ser Ser Glu Thr Ser Ser Arg Leu Pro
 835 840 845

Ala Pro Thr Pro Ser Asp Phe Gln Leu Gln Phe Pro Pro Ser Gln Gly
 850 855 860

Pro His Lys Ser Pro Thr Pro Pro Pro Thr Leu His Leu Val Pro Glu
 865 870 875 880

Pro Ala Ala Pro Pro Pro Pro Pro Pro Arg Thr Phe Gln Met Val Thr
 885 890 895

Thr Pro Phe Pro Ala Leu Pro Gln Pro Lys Ala Leu Leu Glu Arg Phe
 900 905 910

His Gln Val Pro Ser Gly Ile Ile Leu Gln Asn Lys Ala Gly Gly Ala
 915 920 925

Pro Ala Ala Pro Gln Thr Ser Thr Ser Leu Gly Pro Leu Thr Ser Pro
 930 935 940

Ala Ala Ser Val Leu Val Ser Gly Gln Ala Pro Ser Gly Thr Pro Thr
 945 950 955 960

Ala Pro Ser His Ala Pro Ala Pro Ala Pro Met Ala Ala Thr Gly Leu
 965 970 975

Pro Pro Leu Leu Pro Ala Glu Asn Lys Ala Phe Ala Ser Asn Leu Pro
 980 985 990

Thr Leu Asn Val Ala Lys Ala Ala Ser Ser Gly Pro Gly Lys Pro Ser
 995 1000 1005

Gly Leu Gln Tyr Glu Ser Lys Leu Ser Gly Leu Lys Lys Pro Pro
 1010 1015 1020

Thr Leu Gln Pro Ser Lys Glu Ala Cys Phe Leu Glu His Leu His
 1025 1030 1035

Lys His Gln Gly Ser Val Leu His Pro Asp Tyr Lys Thr Ala Phe
 1040 1045 1050

Pro Ser Phe Glu Asp Ala Leu His Arg Leu Leu Pro Tyr His Val
 1055 1060 1065

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Tyr	Gln	Gly	Ala	Leu	Pro	Ser	Pro	Ser	Asp	Tyr	His	Lys	Val	Asp
1070						1075					1080			
Glu	Glu	Phe	Glu	Thr	Val	Ser	Thr	Gln	Leu	Leu	Lys	Arg	Thr	Gln
1085						1090					1095			
Ala	Met	Leu	Asn	Lys	Tyr	Arg	Leu	Leu	Leu	Leu	Glu	Glu	Ser	Arg
1100						1105					1110			
Arg	Val	Ser	Pro	Ser	Ala	Glu	Met	Val	Met	Ile	Asp	Arg	Met	Phe
1115						1120					1125			
Ile	Gln	Glu	Glu	Lys	Thr	Thr	Leu	Ala	Leu	Asp	Lys	Gln	Leu	Ala
1130						1135					1140			
Lys	Glu	Lys	Pro	Asp	Glu	Tyr	Val	Ser	Ser	Ser	Arg	Ser	Leu	Gly
1145						1150					1155			
Leu	Pro	Ile	Ala	Ala	Ser	Ser	Glu	Gly	His	Arg	Leu	Pro	Gly	His
1160						1165					1170			
Gly	Pro	Leu	Ser	Ser	Ser	Ala	Pro	Gly	Ala	Ser	Thr	Gln	Pro	Pro
1175						1180					1185			
Pro	His	Leu	Pro	Thr	Lys	Leu	Val	Ile	Arg	His	Gly	Gly	Ala	Gly
1190						1195					1200			
Gly	Ser	Pro	Ser	Val	Thr	Trp	Ala	Arg	Ala	Ser	Ser	Ser	Leu	Ser
1205						1210					1215			
Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ala	Ala	Ser	Ser	Leu	Asp	Ala	Asp
1220						1225					1230			
Glu	Asp	Gly	Pro	Met	Pro	Ser	Arg	Asn	Arg	Pro	Pro	Ile	Lys	Thr
1235						1240					1245			
Tyr	Glu	Ala	Arg	Ser	Arg	Ile	Gly	Leu	Lys	Leu	Lys	Ile	Lys	Gln
1250						1255					1260			
Glu	Ala	Gly	Leu	Ser	Lys	Val	Val	His	Asn	Thr	Ala	Leu	Asp	Pro
1265						1270					1275			
Val	His	Gln	Pro	Pro	Pro	Pro	Pro	Ala	Thr	Leu	Lys	Val	Ala	Glu
1280						1285					1290			

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Pro	Pro	Pro	Arg	Pro	Pro	Pro	Pro	Pro	Pro	Thr	Gly	Gln	Met
1295						1300				1305			
Asn	Gly	Thr	Val	Asp	His	Pro	Pro	Pro	Ala	Ala	Pro	Glu	Arg
1310						1315					1320	Lys	
Pro	Leu	Gly	Thr	Ala	Pro	His	Cys	Pro	Arg	Leu	Pro	Leu	Arg
1325						1330					1335	Lys	
Thr	Tyr	Arg	Glu	Asn	Val	Gly	Gly	Pro	Gly	Ala	Pro	Glu	Gly
1340						1345					1350	Thr	
Pro	Ala	Gly	Arg	Ala	Arg	Gly	Gly	Ser	Pro	Ala	Pro	Leu	Pro
1355						1360					1365	Ala	
Lys	Val	Asp	Glu	Ala	Thr	Ser	Gly	Leu	Ile	Arg	Glu	Leu	Ala
1370						1375					1380	Ala	
Val	Glu	Asp	Glu	Leu	Tyr	Gln	Arg	Met	Leu	Lys	Gly	Pro	Pro
1385						1390					1395	Pro	
Glu	Pro	Ala	Ala	Ser	Ala	Ala	Gln	Gly	Thr	Gly	Asp	Pro	Asp
1400						1405					1410	Trp	
Glu	Ala	Pro	Gly	Leu	Pro	Pro	Ala	Lys	Arg	Arg	Lys	Ser	Glu
1415						1420					1425	Ser	
Pro	Asp	Val	Asp	Gln	Ala	Ser	Phe	Ser	Ser	Asp	Ser	Pro	Gln
1430						1435					1440	Asp	
Asp	Thr	Leu	Thr	Glu	His	Leu	Gln	Ser	Ala	Ile	Asp	Ser	Ile
1445						1450					1455	Leu	
Asn	Leu	Gln	Gln	Ala	Pro	Gly	Arg	Thr	Pro	Ala	Pro	Ser	Tyr
1460						1465					1470	Pro	
His	Ala	Ala	Ser	Ala	Gly	Thr	Pro	Ala	Ser	Pro	Pro	Pro	Leu
1475						1480					1485	His	
Arg	Pro	Glu	Ala	Tyr	Pro	Pro	Ser	Ser	His	Asn	Gly	Gly	Leu
1490						1495					1500	Gly	
Ala	Arg	Thr	Leu	Thr	Arg	Gly	Leu	Gly	Ala	Arg	Thr	Leu	Thr
												Arg	

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1505

1510

1515

<210> 185
 <211> 42
 <212> PRT
 <213> Homo sapien

<400> 185

Met Lys His Gly Ser Phe Tyr Phe Thr Val Ser Asn Leu Ile Ala Ser
 1 5 10 15

His Leu Lys Ser Ala Lys Ile Glu Leu Pro Lys Lys Cys Tyr Met Pro
 20 25 30

Lys Gly Ala His Asn Tyr Leu Met Ala Asn
 35 40

<210> 186
 <211> 96
 <212> PRT
 <213> Homo sapien

<400> 186

Met Met Leu Gly Gln Asp Ser Ile Leu Asn Gln Ser Asn Ser Ile Phe
 1 5 10 15

Gly Cys Ile Phe Tyr Thr Leu Gln Leu Leu Gly Cys Leu Arg Thr
 20 25 30

Arg Trp Ala Ser Val Leu Ile Leu Leu Ser Ser Leu Val Ser Leu Ala
 35 40 45

Gly Ser Val Tyr Leu Ala Trp Ile Leu Phe Phe Val Leu Tyr Asp Phe
 50 55 60

Cys Ile Val Cys Ile Thr Thr Tyr Ala Ile Asn Val Ser Leu Met Trp
 65 70 75 80

Leu Ser Phe Arg Lys Val Gln Glu Pro Gln Gly Lys Ala Lys Arg His
 85 90 95

<210> 187
 <211> 105
 <212> PRT
 <213> Homo sapien

<400> 187

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Trp Gly Arg Gly Ile Gly Leu Val Glu His Val Leu Gly Gln Asp Ser
1 5 10 15

Ile Leu Asn Gln Ser Asn Ser Ile Phe Gly Cys Ile Phe Tyr Thr Leu
20 25 30

Gln Leu Leu Leu Gly Cys Leu Arg Thr Arg Trp Ala Ser Val Leu Met
35 40 45

Leu Leu Ser Ser Leu Val Ser Leu Ala Gly Ser Val Tyr Leu Ala Trp
50 55 60

Ile Leu Phe Phe Val Leu Tyr Asp Phe Cys Ile Val Cys Ile Thr Thr
65 70 75 80

Tyr Ala Ile Asn Val Ser Leu Met Trp Leu Ser Phe Arg Lys Val Gln
85 90 95

Glu Pro Gln Gly Lys Ala Lys Arg His
100 105

<210> 188

<211> 59

<212> PRT

<213> Homo sapien

<400> 188

Met Gly Lys Lys Ala His Arg His Leu Gln Phe Thr Ser Phe Lys Phe
1 5 10 15

Leu Lys Lys Thr Pro Gln Lys Lys Pro Phe Leu Pro Gly Lys Ala His
20 25 30

Glu Ile Asn Tyr Arg Ile Glu Leu Tyr Asn Ser Thr Ser Thr Ser Leu
35 40 45

Thr Leu Met Cys Phe Ala Lys Asn Leu Glu Lys
50 55

<210> 189

<211> 400

<212> PRT

<213> Homo sapien

<400> 189

Met	Ala	Trp	Arg	Arg	Arg	Glu	Ala	Gly	Val	Gly	Ala	Arg	Gly	Leu	1
1				5					10					15	
Ala	Leu	Ala	Leu	Leu	Ala	Leu	Ala	Leu	Cys	Val	Pro	Gly	Ala	Arg	Gly
			20					25					30		
Arg	Ala	Leu	Glu	Trp	Phe	Ser	Ala	Val	Val	Asn	Ile	Glu	Tyr	Val	Asp
		35				40						45			
Pro	Gln	Thr	Asn	Leu	Thr	Val	Trp	Ser	Val	Ser	Glu	Ser	Gly	Arg	Phe
	50					55					60				
Gly	Asp	Ser	Ser	Pro	Lys	Glu	Gly	Ala	His	Gly	Leu	Val	Gly	Val	Pro
65					70					75					80
Trp	Ala	Pro	Gly	Gly	Asp	Leu	Glu	Gly	Cys	Ala	Pro	Asp	Thr	Arg	Phe
				85					90					95	
Phe	Val	Pro	Glu	Pro	Gly	Gly	Arg	Gly	Ala	Ala	Pro	Trp	Val	Ala	Leu
			100					105					110		
Val	Ala	Arg	Gly	Gly	Cys	Thr	Phe	Lys	Asp	Lys	Val	Leu	Val	Ala	Ala
		115					120					125			
Arg	Arg	Asn	Ala	Ser	Ala	Val	Val	Leu	Tyr	Asn	Glu	Glu	Arg	Tyr	Gly
		130				135					140				
Asn	Ile	Thr	Leu	Pro	Met	Ser	His	Ala	Gly	Thr	Gly	Asn	Ile	Val	Val
145					150					155					160
Ile	Met	Ile	Ser	Tyr	Pro	Lys	Gly	Arg	Glu	Ile	Leu	Glu	Leu	Val	Gln
				165					170					175	
Lys	Gly	Ile	Pro	Val	Thr	Met	Thr	Ile	Gly	Val	Gly	Thr	Arg	His	Val
			180					185					190		
Gln	Glu	Phe	Ile	Ser	Gly	Gln	Ser	Val	Val	Phe	Val	Ala	Ile	Ala	Phe
		195					200					205			
Ile	Thr	Met	Met	Ile	Ile	Ser	Leu	Ala	Trp	Leu	Ile	Phe	Thr	Tyr	Ile
	210					215					220				
Gln	Arg	Phe	Leu	Tyr	Thr	Gly	Ser	Gln	Ile	Gly	Ser	Gln	Ser	His	Arg
225					230					235					240

Lys Glu Thr Lys Lys Val Ile Gly Gln Leu Leu Leu His Thr Val Lys
245 250 255

His Gly Glu Lys Gly Ile Asp Val Asp Ala Glu Asn Cys Ala Val Cys
260 265 270

Ile Glu Asn Phe Lys Val Lys Asp Ile Ile Arg Ile Leu Pro Cys Lys
275 280 285

His Ile Phe His Arg Ile Cys Ile Asp Pro Trp Leu Leu Asp His Arg
290 295 300

Thr Cys Pro Met Cys Lys Leu Asp Val Ile Lys Ala Leu Gly Tyr Trp
305 310 315 320

Gly Glu Pro Gly Asp Val Gln Glu Met Pro Ala Pro Glu Ser Pro Pro
325 330 335

Gly Arg Asp Pro Ala Ala Asn Leu Ser Leu Ala Leu Pro Asp Asp Asp
340 345 350

Gly Ser Asp Glu Ser Ser Pro Pro Ser Ala Ser Pro Ala Glu Ser Glu
355 360 365

Pro Gln Cys Asp Pro Ser Phe Lys Gly Asp Ala Gly Glu Asn Thr Ala
370 375 380

Leu Leu Glu Ala Gly Arg Ser Asp Ser Arg His Gly Gly Pro Ile Ser
385 390 395 400

<210> 190

<211> 46

<212> PRT

<213> Homo sapien

<400> 190

Met Gly Glu Leu Gly Pro Gly Lys Lys Phe Pro Pro Gly Thr Pro Leu
1 5 10 15

Trp Pro Arg Val Pro Gln Ala Phe Phe Phe Phe Phe Leu Phe Phe Phe
20 25 30

Phe Phe Gln Cys Ile Ser Ser Met Phe Leu Leu Gly Lys Asn
35 40 45

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<210> 191
 <211> 37
 <212> PRT
 <213> Homo sapien

<400> 191

Met Asn Ile Pro Thr Asn Ala Tyr Asp Leu Gly Tyr Gln Cys Ile Leu
 1 5 10 15

Ser His Leu Gly Phe Cys Phe Cys Leu Ser Val Tyr Trp Lys Leu Val
 20 25 30

Pro Arg Arg Asp His
 35

<210> 192
 <211> 60
 <212> PRT
 <213> Homo sapien

<400> 192

Met Val Pro Phe Lys Glu Lys Asn Thr Lys Gln Gln Lys Thr Thr Ala
 1 5 10 15

Gln Asp Gly Lys His Arg Asp Lys Pro Arg Thr Thr Gly Glu Asn Lys
 20 25 30

Lys Asn Arg Thr Glu Ile Gln Gln Lys Asn Pro Lys Gln Arg Glu Thr
 35 40 45

Gln Pro Gln Gln Arg Gly Glu Lys Lys Lys Ala Lys
 50 55 60

<210> 193
 <211> 81
 <212> PRT
 <213> Homo sapien

<400> 193

Met Lys Ile Cys Lys Arg Leu Phe Tyr Val Val Ala Leu Ile Pro Tyr
 1 5 10 15

Thr Gln Gln Leu Pro Val Leu Gly Thr Phe Gln Ile Ser Asp Leu Arg
 20 25 30

Glu Gln Thr Val Phe Ser Ala Ser Tyr Gly Ala Met Gln Ala Leu Pro

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35

40

45

Arg Pro Trp Leu Ser Pro Lys Ser His Val Leu Ser Val Leu His Leu
50 55 60

Lys Arg Val Arg Glu Arg Arg Gly Gly Glu Lys Gly Ala Ser Gly Ala
65 70 75 80

Arg

<210> 194

<211> 80

<212> PRT

<213> Homo sapien

<400> 194

Met Gly Met Gln Val Pro Cys Ile Ser Trp Tyr Leu Ser Ala Phe Pro
1 5 10 15

Leu Ala Ala Pro Pro Thr Arg Gly Arg Phe Leu Leu Asp Cys Lys Cys
20 25 30

Leu Phe Ser Leu Asp Ser Ala Leu Thr Ala Pro Pro Pro Gly Arg Pro
35 40 45

Ser Arg Thr Ser Ser Ser Gly Ser Ser Ser Ser Asp Pro Ile Gly Thr
50 55 60

Pro Asp Leu Asn Leu Phe Pro Gly Ser Arg Ala Cys Ser Pro Ser Gln
65 70 75 80

<210> 195

<211> 101

<212> PRT

<213> Homo sapien

<400> 195

Phe Leu Phe Phe Phe Phe Leu Leu Arg Gln Asn Leu Ala Leu Val Thr
1 5 10 15

Gln Ala Gly Val Gln Trp Tyr Asp Leu Ser Ser Leu Gln Pro Gln Arg
20 25 30

Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Trp Asp His Arg Arg Pro
35 40 45

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<400> 198

Lys Ala Asp Ser Ser Ser Val Leu Pro Ser Pro Leu Ser Ile Ser Thr
20 25 30

Leu Val Gln Arg Ile Ser Asp Phe Leu Gln Gln Thr Thr Ser Lys Ile
50 55 60

Tyr Ser Asp Lys Glu Phe Ala Gly Ser Tyr Asn Ser Ser Asp Asp Glu
65 70 75 80

Val Tyr Ser Arg Pro Ser Ser Leu Val Ser Ser Ser Pro Gln Arg Ser
85 90 95

Thr Ser Ser Asp Ala Asp Gly Glu Arg Gln Phe Asn Leu Asn Gly Asn
100 105 110

Ser Val Pro Thr Ala Thr Gln Thr Leu Met Thr Met Tyr Arg Arg Arg
115 120 125

Ser Pro Glu Glu Phe Asn Pro Lys Leu Ala Lys Glu Phe Leu Lys Glu
130 135 140

Gln Ala Trp Lys Ile His Phe Ala Glu Tyr Gly Gln Gly Ile Cys Met
145 150 155 160

Tyr Arg Thr Glu Lys Thr Arg Glu Leu Val Leu Lys Gly Ile Pro Glu
165 170 175

Ser Met Arg Gly Glu Leu Trp Leu Leu Leu Ser Gly Ala Ile Asn Glu
180 185 190

Lys Ala Thr His Pro Gly Tyr Tyr Glu Asp Leu Val Glu Lys Ser Met
195 200 205

Gly Lys Tyr Asn Leu Ala Thr Glu Glu Ile Glu Arg Asp Leu His Arg
210 215 220

Gly Gln Phe Ile Glu Leu Cys Lys Thr Met Tyr Asn Met Phe Ser Glu

690				695				700							
Asp 705	Pro	Asn	Glu	Gln	Glu	Leu	Tyr	His	Ala	Thr	Ala	Ala	Val	Thr	Ser 720
				710				715							
Leu	Leu	Leu	Glu	Ile	Gly	Glu	Val	Gly	Lys	Leu	Phe	Val	Ala	Gln	Pro 735
				725				730							
Ala	Lys	Glu	Gly	Gly	Ser	Gly	Gly	Ser	Gly	Pro	Ser	Cys	His	Gln	Gly
				740				745				750			
Ile	Pro	Gly	Val	Leu	Phe	Pro	Lys	Lys	Gly	Pro	Gly	Gln	Pro	Tyr	Val
				755				760				765			
Val	Glu	Ser	Val	Glu	Pro	Leu	Pro	Ala	Ser	Leu	Ala	Pro	Asp	Ser	Glu
				770				775				780			
Glu	His	Ser	Leu	Gly	Gly	Gln	Met	Glu	Asp	Ile	Lys	Leu	Glu	Asp	Ser 800
				790				795							
Ser	Pro	Arg	Asp	Asn	Gly	Ala	Cys	Ser	Ser	Met	Leu	Ile	Ser	Asp	Asp
				805				810				815			
Asp	Thr	Lys	Asp	Asp	Ser	Ser	Met	Ser	Ser	Tyr	Ser	Val	Leu	Ser	Ala
				820				825				830			
Gly	Ser	His	Glu	Glu	Asp	Lys	Leu	His	Cys	Glu	Asp	Ile	Gly	Glu	Asp
				835				840				845			
Thr	Val	Leu	Val	Arg	Ser	Gly	Gln	Gly	Thr	Ala	Ala	Leu	Pro	Arg	Ser
				850				855				860			
Thr	Ser	Leu	Asp	Arg	Asp	Trp	Ala	Ile	Thr	Phe	Glu	Gln	Phe	Leu	Ala
				865				870				875			
Ser	Leu	Leu	Thr	Glu	Pro	Ala	Leu	Val	Lys	Tyr	Phe	Asp	Lys	Pro	Val
				885				890				895			
Cys	Met	Met	Ala	Arg	Ile	Thr	Ser	Ala	Lys	Asn	Ile	Arg	Met	Met	Gly
				900				905				910			
Yys	Pro	Leu	Thr	Ser	Ala	Ser	Asp	Tyr	Glu	Ile	Ser	Ala	Met	Ser	Gly
				915				920				925			

<210> 199
 <211> 27
 <212> PRT
 <213> Homo sapien

<400> 199

Met His Val Glu Arg Arg Ser Val Met Asp Ala Trp Ser Arg Arg Gly
 1 5 10 15

Ala Gly Lys Tyr Thr Asp Ile Lys Asp Gln Ile
 20 25

<210> 200
 <211> 318
 <212> PRT
 <213> Homo sapien

<400> 200

Met Asn Arg Phe Gly Thr Arg Leu Val Gly Ala Thr Ala Thr Ser Ser
 1 5 10 15

Pro Pro Pro Lys Ala Arg Ser Asn Glu Asn Leu Asp Lys Ile Asp Met
 20 25 30

Ser Leu Asp Asp Ile Ile Lys Leu Asn Arg Lys Glu Gly Lys Lys Gln
 35 40 45

Asn Phe Pro Arg Leu Asn Arg Arg Leu Leu Gln Gln Ser Gly Ala Gln
 50 55 60

Gln Phe Arg Met Arg Val Arg Trp Gly Ile Gln Gln Asn Ser Gly Phe
 65 70 75 80

Gly Lys Thr Ser Leu Asn His Arg Gly Arg Val Met Pro Gly Lys Arg
 85 90 95

Arg Pro Asn Gly Val Ile Thr Gly Leu Ala Ala Arg Lys Thr Thr Gly
 100 105 110

Ile Arg Lys Gly Ile Ser Pro Met Asn Arg Pro Pro Leu Ser Asp Lys
 115 120 125

Asn Ile Glu Gln Tyr Phe Pro Val Leu Lys Arg Lys Ala Asn Leu Leu
 130 135 140

Arg Gln Asn Glu Gly Gln Arg Lys Pro Val Ala Val Leu Lys Arg Pro

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145 150 155 160
 Ser Gln Leu Ser Arg Lys Asn Asn Ile Pro Ala Asn Phe Thr Arg Ser
 165 170 175
 Gly Asn Lys Leu Asn His Gln Lys Asp Thr Arg Gln Ala Thr Phe Leu
 180 185 190
 Phe Arg Arg Gly Leu Lys Val Gln Ala Gln Leu Asn Thr Glu Gln Leu
 195 200 205
 Leu Asp Asp Val Val Ala Lys Arg Thr Arg Gln Trp Arg Thr Ser Thr
 210 215 220
 Thr Asn Gly Gly Ile Leu Thr Val Ser Ile Asp Asn Pro Gly Ala Val
 225 230 235 240
 Gln Cys Pro Val Thr Gln Lys Pro Arg Leu Thr Arg Thr Ala Val Pro
 245 250 255
 Ser Phe Leu Thr Lys Arg Glu Gln Ser Asp Val Lys Lys Val Pro Lys
 260 265 270
 Gly Val Pro Leu Gln Phe Asp Ile Asn Ser Val Gly Lys Gln Thr Gly
 275 280 285
 Met Thr Leu Asn Glu Arg Phe Gly Ile Leu Lys Glu Gln Arg Ala Thr
 290 295 300
 Leu Thr Tyr Asn Lys Gly Gly Ser Arg Phe Val Thr Val Gly
 305 310 315

 <210> 201
 <211> 102
 <212> PRT
 <213> Homo sapien

 <400> 201
 Met Ile Lys Lys Arg Leu Ile Gly Ile Phe Val Asn Phe Arg Lys Gly
 1 5 10 15
 Ile Phe Val Asn Leu Tyr Gly Gln Ser Ile Thr Thr Asn Lys His Thr
 20 25 30
 Asn Thr Gln Gln Arg Thr Ala Phe Gly Glu Lys Pro His Gly Ala Lys

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35

40

45

Glu Arg Lys Gly Pro Pro Gly Gly Glu Thr Ser Gly Asp Thr Thr Pro
50 55 60

Gly Thr Asn Asn His His Gln Gln Lys Leu Ser Ala Lys Gln Thr Lys
65 70 75 80

Lys Asn Lys Thr Gln Thr Lys Asn Lys Arg Thr Arg Asn Glu Asp Thr
85 90 95

Lys Lys Asn Asn Lys Gln
100

<210> 202

<211> 107

<212> PRT

<213> Homo sapien

<400> 202

Met Glu Thr Gln Pro Leu Leu Leu Tyr Leu Thr Leu Gly Ser Tyr Leu
1 5 10 15

Phe Phe Leu Ser Pro Gln Ile Phe Leu Ser Leu Leu Glu Trp Asp Leu
20 25 30

Cys His Leu Arg Gly Cys Ser Ala Tyr Arg Gly Trp Ala Ala Thr Glu
35 40 45

Val Glu Leu Leu Arg Pro Arg Leu Arg Gly Leu Val Ala Arg Gln Pro
50 55 60

Cys Thr Ile Phe Phe Ser Thr Pro Ser Leu Val Phe Asn Ser Leu Val
65 70 75 80

Gly Gly Leu Ala Ala Pro Ser Phe Ile Arg Arg Glu Ala Asn Gly Arg
85 90 95

Gly Pro Gly Gln Trp Arg Val Val Pro His Lys
100 105

<210> 203

<211> 93

<212> PRT

<213> Homo sapien

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Met Cys His Ile Gly Pro Leu Pro Ala Val Ala Lys Ala Ser Cys Phe
1 5 10 15

Ser Pro Thr Glu Glu Thr Val Leu Cys His Asp Asp Arg Ala Leu Leu
20 25 30

Gly Leu Val Phe Leu Val Phe Pro Phe Trp Gln Cys Gly Leu Gln Glu
35 40 45

Leu Asp Val Tyr Ala Gln Gly Ile Glu Phe Thr Leu Lys Leu Gly Asn
50 55 60

Gly Val Phe Asn Leu Cys Ser Cys Leu Phe Ile Leu Leu Phe Ile Phe
65 70 75 80

Cys His Pro Ala Leu Tyr Trp Ala Asn Asn Glu Ile Lys
85 90

<211> 54

<213> Homo sapien

<400> 204

Met Val Pro Ile Leu Gly Gly Gly Lys Leu Ser Val Arg Leu Phe
1 5 10 15

Gln Cys Gly Asn Thr Lys Tyr Asp Thr Arg Val Ile Ala Met Met Pro
20 25 30

Gly Gly Thr Arg Pro Glu Ala Val Phe Ser Cys Phe Ser Leu Leu Ser
35 40 45

Gly Ile Thr Thr Glu Leu
50

<211> 82

<213> Homo sapien

<400> 205

Met Thr Phe Ser Met Val His Asp Leu Leu Arg Ala Asp Ala Asn Ser
1 5 10 15

Gly Lys Leu Phe Phe Met Ile Ser Lys Asp Leu Gly Tyr Val Asn Glu
 20 25 30

Met Ile Lys Arg His Phe Ser Glu Phe Ala Arg Arg Arg Leu Lys Asn
 35 40 45

Gln Asn Lys Asp Pro Thr Ala Phe His Val Ala Thr Cys Ser Pro Leu
 50 55 60

His His Asn Ser Lys Pro Thr Gly Glu Leu Ser Leu Lys Tyr Thr Phe
 65 70 75 80

Gln Met

<210> 206

<211> 116

<212> PRT

<213> Homo sapien

<400> 206

Leu Tyr Ile Ile Ser Leu Ile Tyr Phe Asn Met Asp Phe Leu Phe Leu
 1 5 10 15

Phe Ser Ala Asp Gly Val Leu Val Cys His Pro Gly Trp Ser Ala Val
 20 25 30

Ala Arg Ser Arg Leu Thr Thr Thr Ser Ala Ser Gln Val Gln Ala Ile
 35 40 45

Leu Leu Ala Ser Ala Ser Gln Phe Thr Gly Ile Thr Gly Thr Cys His
 50 55 60

His Ala Gln Leu Ile Phe Val Phe Leu Val Glu Met Gly Phe His His
 65 70 75 80

Val Asp Gln Ala Asp Phe Glu Leu Leu Thr Ser Gly Asp Ser Pro Ala
 85 90 95

Ser Pro Ser His Ser Ala Gly Ile Ile Gly Met Ser His Cys Pro Arg
 100 105 110

Pro Asp Phe Phe
 115

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<400> 207

Tyr Leu Tyr Leu Cys Asn Gly Thr His Asp Ser His Gly Pro Arg Ile
20 25 30

Asn Ser His Lys
50

<400> 208

Ile Leu Leu Gln Cys Tyr Ser Glu Gln Val Leu Cys Gln Ile Ser Cys
20 25 30

Phe Gln Leu Leu Ile Leu
50

<400> 209

Ser Arg Tyr Pro Ser Pro Cys Val Pro Arg Glu Leu Trp Gly Asn Trp

20

25

30

Ser Pro Glu Lys Pro Thr Cys His Thr His Gly Lys His Pro Met Cys
35 40 45

His Trp Ser Thr Pro Gln Ala Cys Tyr Val Phe Ile Ile Phe Asp Val
50 55 60

Phe Met Phe Phe Leu Leu Leu Ile Leu Lys Glu Asn Thr Leu Leu Phe
65 70 75 80

Ser Asn

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<210> 210
<211> 59
<212> PRT
<213> Homo sapien
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<400> 210

Met Glu Pro Ser Asp Leu Lys Ser Arg Gln Lys Ser Leu Leu Arg Pro
1 5 10 15

Val Leu Ala His Pro Ser Pro Arg Thr Cys Gln Ile Arg Cys Ile Arg
20 25 30

Gln Val Glu Thr Leu Pro Val Asn Ser Gly His Lys Gln Gly Glu Gly
35 40 45

Arg Thr Asn Gln Pro Pro Ser Ser Tyr Leu Tyr
50 55

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<210> 211
<211> 112
<212> PRT
<213> Homo sapien
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<400> 211

Met Gly Ile Ile Leu Asn Trp Leu Asn Gln Trp Ala Gln Ile Thr Tyr
1 5 10 15

Leu Pro Ser Leu Leu Cys Asp Ser Pro Ala Val Thr His Thr Ile His
20 25 30

Ile Leu Cys Thr Ser Asn Glu Gln Thr Trp Phe Pro Cys Phe Leu Asp
35 40 45

Ile Ser Met Thr Val Ser His Thr Asn Tyr Trp Val Arg Phe Phe Ser
50 55 60

Cys Tyr Arg Pro Thr Ser Cys Cys Leu Cys Val Val Leu Gln Lys Leu
65 70 75 80

Ser Ile Pro Thr Pro Leu Leu Cys His Leu Gln Glu Ser Gly Ile Val
85 90 95

Arg Ser Gln Leu Arg Lys Val Leu Val Pro Leu Thr Gly His Ile Leu
100 105 110

<210> 212

<211> 56

<212> PRT

<213> Homo sapien

<400> 212

Met Pro Pro Arg Gly Ser Gln Ala Val Ser Ser Ser Gly Arg Ala Ile
1 5 10 15

Asn Leu Ser Ser Gly Gln Glu Lys Thr Asp His Trp Ser Pro Lys Met
20 25 30

Leu Asp Ser Ile Ala Arg Ser His Leu Asn Asn Ser Asp Cys Ser Phe
35 40 45

Thr Gln Val Val Val Gln Asn Leu
50 55

<210> 213

<211> 118

<212> PRT

<213> Homo sapien

<400> 213

Glu Arg Gln Gly Thr Leu Ser Thr Ala Ala Pro Thr Thr Ser Pro Ala
1 5 10 15

Pro Cys Leu Ser Asn His His Asn Lys Lys His Leu Ile Leu Ala Phe
20 25 30

Cys Ala Gly Val Leu Leu Thr Leu Leu Leu Ile Ala Phe Ile Phe Leu
35 40 45

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Ile Ile Lys Ser Tyr Arg Lys Tyr His Ser Lys Pro Gln Ala Pro Asp
50 55 60

Pro His Ser Asp Pro Pro Ala Lys Leu Ser Ser Ile Pro Gly Glu Ser
65 70 75 80

Leu Thr Tyr Ala Ser Thr Thr Phe Lys Leu Ser Glu Glu Lys Ser Asn
85 90 95

His Leu Ala Glu Asn His Ser Ala Asp Phe Asp Pro Ile Val Tyr Ala
100 105 110

Gln Ile Lys Val Thr Asn
115

<210> 214
<211> 51
<212> PRT
<213> Homo sapien

<400> 214

Met Ala Leu Glu Phe Lys Phe Cys Arg Lys Trp Ile Ala Ile Asn Asn
1 5 10 15

Pro Met Lys Met Gly His Ile Leu Pro Leu Ile Glu Ser Gln Ser Thr
20 25 30

Arg Thr Asn Arg Ile Ser His Leu Ser Ile Phe Arg Tyr Gly Arg Gln
35 40 45

Gln Lys Gln
50

<210> 215
<211> 55
<212> PRT
<213> Homo sapien

<400> 215

Met Thr Cys Phe Arg Glu Cys Leu Leu Val Tyr Leu Tyr Ser Ile Cys
1 5 10 15

Leu Leu Asn Ser Leu His Lys Leu Glu Leu Leu Ser Arg Arg Leu Arg
20 25 30

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1 5 10 15
 Arg Val Ser Pro Gln Leu Ser Phe Phe Phe Cys Phe Val Phe Phe Pro
 20 25 30
 Phe Val Phe Phe Phe Cys Phe Phe Arg Phe Phe Ile Ile Leu Phe Thr
 35 40 45
 Arg Tyr Thr Gly Leu Lys Lys Ile Ile Ser
 50 55
 <210> 218
 <211> 116
 <212> PRT
 <213> Homo sapien
 <400> 218
 Met Thr Gln Leu Arg His Gln Gln Lys Lys Lys Lys Lys Ala Gly Arg
 1 5 10 15
 Thr Gln Gly Gln Ser Gly Ser Arg Cys Arg Met Val Ile Pro Pro Thr
 20 25 30
 Phe Pro His Asn Thr Ala Thr Thr Thr His Thr His His His His Thr
 35 40 45
 Ala His Pro Ser Ala His Thr His Thr Thr Asn Arg Ser Ala Gly Arg
 50 55 60
 Asp Arg Pro Arg Lys Gln Thr Glu Pro Ala Gln Thr Ser Lys His His
 65 70 75 80
 Thr Asn Gly Gln His Asp Thr Thr Ala Gln Gly Thr His Lys His Asp
 85 90 95
 Ser Thr Trp Pro Thr Pro Pro Pro Arg Ser Tyr Pro His Gly Arg Arg
 100 105 110
 Ser Pro Pro Thr
 115
 <210> 219
 <211> 600
 <212> PRT
 <213> Homo sapien

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Met Gly Lys Lys Leu Asp Leu Ser Lys Leu Thr Asp Glu Glu Ala Gln
1 5 10 15

His Val Leu Glu Val Val Gln Arg Asp Phe Asp Leu Arg Arg Lys Glu
20 25 30

Glu Glu Arg Leu Glu Ala Leu Lys Gly Lys Ile Lys Lys Glu Ser Ser
35 40 45

Lys Arg Glu Leu Leu Ser Asp Thr Ala His Leu Asn Glu Thr His Cys
50 55 60

Ala Arg Cys Leu Gln Pro Tyr Gln Leu Leu Val Asn Ser Lys Arg Gln
65 70 75 80

Cys Leu Glu Cys Gly Leu Phe Thr Cys Lys Ser Cys Gly Arg Val His
85 90 95

Pro Glu Glu Gln Gly Trp Ile Cys Asp Pro Cys His Leu Ala Arg Val
100 105 110

Val Lys Ile Gly Ser Leu Glu Trp Tyr Tyr Glu His Val Lys Ala Arg
115 120 125

Phe Lys Arg Phe Gly Ser Ala Lys Val Ile Arg Ser Leu His Gly Arg
130 135 140

Leu Gln Gly Gly Ala Gly Pro Glu Leu Ile Ser Glu Glu Arg Ser Gly
145 150 155 160

Asp Ser Asp Gln Thr Asp Glu Asp Gly Glu Pro Gly Ser Glu Ala Gln
165 170 175

Ala Gln Ala Gln Pro Phe Gly Ser Lys Lys Lys Arg Leu Leu Ser Val
180 185 190

His Asp Phe Asp Phe Glu Gly Asp Ser Asp Asp Ser Thr Gln Pro Gln
195 200 205

Gly His Ser Leu His Leu Ser Ser Val Pro Glu Ala Arg Asp Ser Pro
210 215 220

Gln Ser Leu Thr Asp Glu Ser Cys Ser Glu Lys Ala Ala Pro His Lys

225	230										235					240				
Ala	Glu	Gly	Leu	Glu	Glu	Ala	Asp	Thr	Gly	Ala	Ser	Gly	Cys	His	Ser					
				245						250						255				
His	Pro	Glu	Glu	Gln	Pro	Thr	Ser	Ile	Ser	Pro	Ser	Arg	His	Gly	Ala					
				260						265						270				
Leu	Ala	Glu	Leu	Cys	Pro	Pro	Gly	Gly	Ser	His	Arg	Met	Ala	Leu	Gly					
				275						280						285				
Thr	Ala	Ala	Ala	Leu	Gly	Ser	Asn	Val	Ile	Arg	Asn	Glu	Gln	Leu	Pro					
				290						295						300				
Leu	Gln	Tyr	Leu	Ala	Asp	Val	Asp	Thr	Ser	Asp	Glu	Glu	Ser	Ile	Arg					
				305						310						315				
Ala	His	Val	Met	Ala	Ser	His	His	Ser	Lys	Arg	Arg	Gly	Arg	Ala	Ser					
				325						330						335				
Ser	Glu	Ser	Gln	Ile	Phe	Glu	Leu	Asn	Lys	Arg	Ile	Ser	Ala	Val	Glu					
				340						345						350				
Cys	Leu	Leu	Thr	Tyr	Leu	Glu	Asn	Thr	Val	Val	Pro	Pro	Leu	Ala	Lys					
				355						360						365				
Gly	Leu	Gly	Ala	Gly	Val	Arg	Thr	Glu	Ala	Asp	Val	Glu	Glu	Glu	Ala					
				370						375						380				
Leu	Arg	Arg	Lys	Leu	Glu	Glu	Leu	Thr	Ser	Asn	Val	Ser	Asp	Gln	Glu					
				385						390						395				
Thr	Ser	Ser	Glu	Glu	Glu	Glu	Ala	Lys	Asp	Glu	Lys	Ala	Glu	Pro	Asn					
				405						410						415				
Arg	Asp	Lys	Ser	Val	Gly	Pro	Leu	Pro	Gln	Ala	Asp	Pro	Glu	Val	Gly					
				420						425						430				
Thr	Ala	Ala	His	Gln	Thr	Asn	Arg	Gln	Glu	Lys	Ser	Pro	Gln	Asp	Pro					
				435						440						445				
Gly	Asp	Pro	Val	Gln	Tyr	Asn	Arg	Thr	Thr	Asp	Glu	Glu	Leu	Ser	Glu					
				450						455						460				

<400> 221

Met Val Ile Phe Tyr Ser Ser Pro Ser Gln Asp Ser Ala Leu Ile Tyr
 1 5 10 15

Tyr Ile Pro Phe Ile Leu Leu Tyr Arg Leu Leu Ser Glu Thr His Val
 20 25 30

Gln Ile Arg Asp Lys Ile Leu Lys His Ile Thr Pro Ser Leu Val Phe
 35 40 45

Ser Ile Gln Ile Leu Arg Asn Ser Cys Tyr
 50 55

<210> 222

<211> 38

<212> PRT

<213> Homo sapien

<400> 222

Met Arg Met Leu Arg Glu Ile Val Gly Cys Leu Glu Phe His Tyr Ile
 1 5 10 15

Phe Cys Phe Tyr Phe Leu Ile Pro Arg Cys Phe Phe Lys Ile Phe Arg
 20 25 30

Gln Ile Ser Ile Leu His
 35

<210> 223

<211> 61

<212> PRT

<213> Homo sapien

<400> 223

Met Trp Cys Lys Lys Val Asp Glu Glu Lys Arg Gly Leu Ser Ser Leu
 1 5 10 15

Ala Leu Pro Arg Glu Gly His Gly Gln Arg Leu Thr Asn Thr Cys Pro
 20 25 30

Ser Leu Gln Gly Val Ala Gly Phe Gln Asn Lys Ala Phe Arg Ile Lys
 35 40 45

Pro Phe Leu Ala Cys Leu Val Leu Gly Met Phe Pro Pro
 50 55 60

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<210> 224
 <211> 41
 <212> PRT
 <213> Homo sapien

<400> 224

Met Ser Leu Phe Val Thr His Asn Val Leu Tyr Arg Lys Leu Leu Leu
 1 5 10 15

Ser Tyr Val Ile Leu Ala Val Asp Val Thr Ala Cys His Gln Val Gln
 20 25 30

Tyr Val Ile Cys Ile Ser Leu Phe Ser
 35 40

<210> 225
 <211> 318
 <212> PRT
 <213> Homo sapien

<400> 225

Met Glu Ala Leu Ala Leu Val Gly Ala Trp Tyr Thr Ala Arg Lys Ser
 1 5 10 15

Ile Thr Val Ile Cys Asp Phe Tyr Ser Leu Ile Arg Leu His Phe Ile
 20 25 30

Pro Arg Leu Gly Ser Arg Ala Asp Leu Ile Lys Gln Tyr Gly Arg Trp
 35 40 45

Ala Val Val Ser Gly Ala Thr Asp Gly Ile Gly Lys Ala Tyr Ala Glu
 50 55 60

Glu Leu Ala Ser Arg Gly Leu Asn Ile Ile Leu Ile Ser Arg Asn Glu
 65 70 75 80

Glu Lys Leu Gln Val Val Ala Lys Asp Ile Ala Asp Thr Tyr Lys Val
 85 90 95

Glu Thr Asp Ile Ile Val Ala Asp Phe Ser Ser Gly Arg Glu Ile Tyr
 100 105 110

Leu Pro Ile Arg Glu Ala Leu Lys Asp Lys Asp Val Gly Ile Leu Val
 115 120 125

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Met Ala Gly Ser Gly Lys Val Pro Ile Thr Thr Thr Tyr Lys Pro Pro
1 5 10 15

Thr Asn Ser Asn Ala Ile His Leu Pro Thr Pro Ile Ile Arg Lys Ala
 20 25 30

Gly Phe Thr Gly Ile
 35

<210> 227

<211> 87

<212> PRT

<213> Homo sapien

<400> 227

Met Phe Leu Phe Leu Phe Phe Val Val Ser Ser Cys Ser Ala Leu Leu
 1 5 10 15

Ser Pro Ser Phe Leu Ser Arg Pro Pro Leu Ala Val Gly Gly Arg
 20 25 30

Arg Val Cys Gly Trp Gly Asn Cys Val Arg Arg Ala Arg Asp His Asn
 35 40 45

Cys Pro Pro Pro Arg Gly Pro Gln Arg Leu Thr Thr Pro Thr Arg Tyr
 50 55 60

Thr Pro Arg Val Leu Phe Phe Phe Leu Phe Leu Phe Tyr Phe Leu Phe
 65 70 75 80

Cys Phe Val Val Gly Lys Met
 85

<210> 228

<211> 30

<212> PRT

<213> Homo sapien

<400> 228

Met Asn Ser Phe Gly Tyr Met Thr Pro Ser Lys Phe Phe Lys Lys Glu
 1 5 10 15

Ile Thr Phe Lys Thr Thr Tyr Ile Phe Cys Phe Cys Leu Arg
 20 25 30

<210> 229

<211> 52

<212> PRT

<213> Homo sapien

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Met Arg Gly Val His Lys Ser Thr Gln Thr Ile Ala Glu Cys Val Gly
1 5 10 15

Val Asn Arg Ser Pro Met Phe Leu Tyr Ser Gly Ile Tyr Ile Tyr Thr
20 25 30

Phe Thr Gln Thr Asn Lys Ser Ser Ile Leu Gln Thr Pro Phe Gly Thr
35 40 45

Arg Asp Pro Lys
50

<211> 125

<213> Homo sapien

<400> 230

Met Arg Ala Leu Arg Phe His Leu Thr Gly Asp Glu Met Ala Ala Ala
1 5 10 15

Asp Ile Leu Pro Cys Leu Gln Ala Leu Leu Ala Leu Pro Ala Leu Pro
20 25 30

Ser Leu Gln Thr Pro Thr Ala Val Ala Leu Pro Leu Arg Lys Leu Ser
35 40 45

Asp Cys Ile Ile Pro Arg Pro Arg Arg Leu Cys Ser Ala Leu Leu Met
50 55 60

Ala Val Ile Pro Arg Glu Arg Gln Glu Pro Gly Ala Ser Gly Met Gln
65 70 75 80

Pro Leu Gly Tyr Ser Val Cys Phe Gln Leu Cys Leu Cys Phe Ser Arg
85 90 95

Val Phe Leu Arg Gln Leu Thr Gln Tyr Leu Ser Thr Leu Ser Leu Gly
100 105 110

Pro Ala Leu Gly Arg Ile Phe Phe Tyr Phe Val Lys Val
115 120 125

<210> 231

<211> 273
 <212> PRT
 <213> Homo sapien

<400> 231

Arg Gly Pro Ala Arg Ser Ala Ala Pro Ala Gly Gly Ser Ser Ser Gly
 1 5 10 15

Cys Gly Ala Ala Pro Gly Ala Gly Gly Gly Arg Arg Pro Gly His Gly
 20 25 30

Arg Pro Val Gly Pro Gly Thr Ala Ala Gly Ala Ala Gly Pro Gly Leu
 35 40 45

Pro Ala Arg Thr His His Arg His His Pro Gly Cys Leu Pro Gln Gln
 50 55 60

Ala Ala Pro Pro Ala Gly Arg Gly Pro Ala Ala Arg Arg Gly Ala Ala
 65 70 75 80

Ala Gly Gly Gly Pro Ala Ala Gly Arg Gly Ala Val Thr Gly Arg Gly
 85 90 95

Pro Val Thr Arg Gly Cys Ala Ala Ala Arg Pro Ala Arg Arg Gly Leu
 100 105 110

Ser Ala Gly Gly Ala Leu Ala Leu Pro Ala Gly Leu Gly Leu Gly Leu
 115 120 125

Arg Asp Pro Gly Ala Tyr Gly Asp Ile Arg Pro Ser Ala Ala Ser Trp
 130 135 140

Val Gly Ser Arg Gly Leu Ala Tyr Pro Pro Ala Arg Arg Asn Ser Gly
 145 150 155 160

Ala Ala Pro Arg Ser Gly Ala Ala Pro Gly Gly Arg Gly Arg Pro Asp
 165 170 175

Ala Arg Gln Gly His Ala Gly Pro Gly Ser Arg Gly Pro Pro Leu Val
 180 185 190

Gly Ser Val Ser Arg Pro Gly Ala Ala Ala Phe Leu Pro Pro Arg Ser
 195 200 205

Arg Pro Ala Pro Gly Pro Ala Gly Asp Ser Ser Gly Pro Cys Trp Arg

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215

220

Ser Ala Ser Ala Leu Gly Gln Pro Arg Ala Thr Ala Arg Leu Pro Gly
245 250 255

His Pro Leu Gly Glu Asp Gly Gln Ala Leu Ser Ala Ala Gly Gly Gly
260 265 270

Gly

<210>	232
<211>	104
<212>	PRT
<213>	Homo sapien

<400> 232

Met Pro Ser Phe Phe Cys Phe Ser Ile Ser Leu Ile Arg Asp Trp Lys
1 5 10 15

Val Ser Ile Arg Ser Asn Thr Asp Phe Ile Val Ile Gly Thr Asn Cys
20 25 30

Ser Pro Thr Thr Pro Tyr Ser Ala Ser Ser Ile Thr Leu Leu Cys Glu
35 40 45

Ile Leu Arg Asn Gly Leu Pro Leu Gln Gly Leu Asn Leu Pro Tyr Leu
50 55 60

Arg Phe Glu Ser Ser Val Leu Phe Cys Ile Cys Phe Lys Tyr Leu Gly
65 70 75 80

Ser Val Thr His Ala Asn Met Thr Cys Pro Val Gln Ala Thr Leu Gly
85 90 95

Ile His Ile Ser His Val Ser Ser
100

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<210> 233
<211> 260
<212> PRT
<213> Homo sapien
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Glu Lys Lys Lys Lys Met Lys Asn Glu Asn Ala Asp Lys Leu Leu Lys
1 5 10 15

Ser Glu Lys Gln Met Lys Lys Ser Glu Lys Lys Ser Lys Gln Glu Lys
20 25 30

Glu Lys Ser Lys Lys Lys Lys Gly Gly Lys Thr Glu Gln Asp Gly Tyr
35 40 45

Gln Lys Pro Thr Asn Lys His Phe Thr Gln Ser Pro Lys Lys Ser Val
50 55 60

Ala Asp Leu Leu Gly Ser Phe Glu Gly Lys Arg Arg Leu Leu Leu Ile
65 70 75 80

Thr Ala Pro Lys Ala Glu Asn Asn Met Tyr Val Gln Gln Arg Asp Glu
85 90 95

Tyr Leu Glu Ser Phe Cys Lys Met Ala Thr Arg Lys Ile Ser Val Ile
100 105 110

Thr Ile Phe Gly Pro Val Asn Asn Ser Thr Met Lys Ile Asp His Phe
115 120 125

Gln Leu Asp Asn Glu Lys Pro Met Arg Val Val Asp Asp Glu Asp Leu
130 135 140

Val Asp Gln Arg Leu Ile Ser Glu Leu Arg Lys Glu Tyr Gly Met Thr
145 150 155 160

Tyr Asn Asp Phe Phe Met Val Leu Thr Asp Val Asp Leu Arg Val Lys
165 170 175

Gln Tyr Tyr Glu Val Pro Ile Thr Met Lys Ser Val Phe Asp Leu Ile
180 185 190

Asp Thr Phe Gln Ser Arg Ile Lys Asp Met Glu Lys Gln Lys Lys Glu
195 200 205

Gly Ile Val Cys Lys Glu Asp Lys Lys Gln Ser Leu Glu Asn Phe Leu
210 215 220

Ser Arg Phe Arg Trp Arg Arg Arg Leu Leu Val Ile Ser Ala Pro Asn

225

230

235

240

Asp Glu Asp Trp Ala Tyr Ser Gln Gln Leu Ser Ala Leu Ser Gly Gln
 245 250 255

Ala Cys Thr Leu
 260

<210> 234
 <211> 72
 <212> PRT
 <213> Homo sapien

<400> 234

Met Glu Gly Glu Lys Gly Gln Glu Pro Gln Lys Leu Arg Asn Gly Leu
 1 5 10 15

Ala Leu Pro Leu Phe Arg Pro His Ile Ala Asp Arg Trp Ala Ala Glu
 20 25 30

Thr Ser Thr Ile Gly His Asn Asn Asp Asn Asn Tyr Ser Thr Thr Phe
 35 40 45

Tyr Phe Phe Ile Glu Tyr Gln Gly Leu Gln Ser Ala Phe Thr Leu Ile
 50 55 60

Ile Leu Trp Val Gly Thr Cys Pro
 65 70

<210> 235
 <211> 52
 <212> PRT
 <213> Homo sapien

<400> 235

Met Thr Leu Phe Ile Arg Cys Cys Thr Asn Tyr Gly Asn Leu Cys Gln
 1 5 10 15

Tyr Phe Asn Val Cys Trp Ile Ile Thr Asp Ile Phe Ile Ile Leu Met
 20 25 30

Ser Thr Asn Leu Phe Ile Leu Ile Ala Arg Val Ser Leu Gly Ser Lys
 35 40 45

His His Leu Gly
 50

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<210> 236
 <211> 75
 <212> PRT
 <213> Homo sapien

<400> 236

Met Phe Leu Cys Tyr Phe Ser Gly Leu Ile Phe Leu Phe Ile Phe Pro
 1 5 10 15

Val Cys Leu Trp Gln His Leu Ser Ile Leu Tyr Leu Leu Val Asn Leu
 20 25 30

Leu Phe Thr Leu Ile Leu Arg Ala Ser Tyr Pro Ser His Cys Ala Ala
 35 40 45

Arg Gln His Leu Glu Gln His Cys Pro Ile Val Ser Ile Met Pro Glu
 50 55 60

Tyr Gly Trp Gly Gly Arg Cys Phe Gly Trp Leu
 65 70 75

<210> 237
 <211> 75
 <212> PRT
 <213> Homo sapien

<400> 237

Met Ala Tyr Arg Met Lys Arg Gly Thr Arg Asn Pro Cys Gly Arg Gly
 1 5 10 15

Leu Asp Leu Lys Gln Cys Pro Leu Trp Leu Leu Leu Pro Trp Leu Thr
 20 25 30

Gly Phe Leu Asp His Val His Phe Thr Gly Pro Trp Asp Leu His Leu
 35 40 45

Leu Ala Ser Pro Ala Gly Leu Ile Pro Ala Arg Ala Pro Ser Phe Leu
 50 55 60

Leu Met Val Phe Arg Trp Pro Asp His Gly Lys
 65 70 75

<210> 238
 <211> 212
 <212> PRT

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<213> Homo sapien

<400> 238

Ser Pro His Gln Ala Ala Pro Val Asp Gln Thr Pro Arg Thr Leu
 1 5 10 15

Ala Thr Met Gly Gln Arg Ala Leu Pro Ser Ser Leu Ala Leu Leu Ser
 20 25 30

Arg Pro Leu Ser Pro Pro Pro Ala Ala Cys Ser Gly Asp Pro Gly Cys
 35 40 45

Gly Ser Gly Ala Gly Leu Pro Ser Ala Ser Ala Ala Gly Ile Ala
 50 55 60

Ser Ser Ala Val Glu Pro Val Cys Gly Asp Ala Ala Pro Ala Cys Leu
 65 70 75 80

Leu Arg Thr Pro Leu Arg Gly Leu Leu Lys Pro Thr Gly Pro Arg Ser
 85 90 95

Thr Met Glu Cys Pro Pro Ala Leu Ile Val His Pro Pro Ala Gly Gly
 100 105 110

Met Ala Ser Gly Ser Ser Gln Pro Trp Ala Ala Ala Ser Ala Thr Pro
 115 120 125

Met Leu Ser Ser Lys Ala Ser Leu Cys Ile Pro Thr Arg Gly Pro Pro
 130 135 140

Pro Gln Pro Leu Met Arg Thr Pro Ala Ala Arg Ser His Trp Pro Ile
 145 150 155 160

Pro His Pro Cys Asp Thr Ala Cys Pro Ala Pro Leu Pro Val Val Leu
 165 170 175

Val Ala Pro Arg Ser Thr Ile Leu Ser Met Ser Arg Thr Trp Thr Cys
 180 185 190

Arg Arg Trp Ala Val Ala Pro Cys Arg Ala Glu Lys Leu Met Cys Ser
 195 200 205

Ser Ser Arg Ser
 210

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<400> 239

Ser Val Leu Met Arg Gln Leu Ala Leu Thr Gly Ala Thr Leu Met Cys
20 25 30

His Leu Pro Thr Phe Asn Phe Trp Val Lys Ala Glu Arg Glu Lys Leu
35 40 45

Met Asp Phe Ser Phe Ser Arg Arg Asp Lys Asn Gln Leu His
50 55 60

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<210> 240
<211> 128
<212> PRT
<213> Homo sapien
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<400> 240

Cys Leu Ile Ser Ala Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys Lys Lys Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys

20 25 30

Lys Lys Thr Lys Lys Arg Arg Gly Gly Gly Arg Glu Lys Glu Pro Arg
35 40 45

Gly Glu His Arg Ala Gly Arg Arg Ala His Met Lys Lys Ala Thr Gln
50 55 60

Lys Lys Lys His Lys Thr Ser Lys Arg Lys Gln Lys Lys Ala Glu Arg
65 70 75 80

Glu Lys Val Thr Arg Arg Ile Glu Arg Lys Ala Leu Gln Asp Gln His
85 90 95

Gly Thr Asn Gln Lys Gln Ile Asn Lys Glu Asn Lys Thr Asp Thr Arg
100 105 110

Cys Gln Arg Ala Asn Ala Arg Thr Met Glu Thr Gly Lys Gln His Lys
 115 120 125

<210> 241
 <211> 41
 <212> PRT
 <213> Homo sapien

<400> 241

Met Leu Leu Glu Arg Arg Ser Val Met Asp Ala Trp Ser Arg Arg Gly
 1 5 10 15

Thr Phe Ser Lys Ile Ser Met Gln Leu Phe Asn Arg Glu Ser Arg Phe
 20 25 30

His Gln Asp Ser Asn Gln Ser Asn Ile
 35 40

<210> 242
 <211> 42
 <212> PRT
 <213> Homo sapien

<400> 242

Met Pro Tyr Phe Trp Arg Lys Val Gly Asn Ile Gly Val Ser Leu Ser
 1 5 10 15

Val Ser Gln Glu Asp Ser Phe Val Leu Leu Gly Glu Pro Val Pro Tyr
 20 25 30

Arg Phe Val Tyr Thr Val Ile Ile Gln Asp
 35 40

<210> 243
 <211> 45
 <212> PRT
 <213> Homo sapien

<400> 243

Met Glu Pro His Ile Met Lys Phe Asn Ser His Val Lys Thr Phe Cys
 1 5 10 15

Ile Val Gly Cys Gln Lys Tyr Phe Pro Asn Phe Arg Leu Thr Cys Arg
 20 25 30

Ala Gly Asp Gly Leu Pro Pro Tyr Asn Phe Lys Ser Val
 35 40 45

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<210> 244
 <211> 785
 <212> PRT
 <213> Homo sapien

<400> 244

Lys Ala Lys Ile Ser Trp Glu Ala Pro Val Glu Lys Lys Thr Glu Cys
 1 5 10 15

Ile Gln Lys Gly Lys Asn Asn Gln Val Gly Ala Trp Thr Leu Leu Leu
 20 25 30

Val Leu Pro Ser Pro Gln Asp Val Ser Ser His Ser Gly Pro Arg Ala
 35 40 45

Leu Thr Asn Arg Thr Pro Phe Cys Pro Gln Thr Glu Cys Phe Asn Phe
 50 55 60

Ile Arg Phe Leu Gln Pro Tyr Asn Ala Ser His Leu Tyr Val Cys Gly
 65 70 75 80

Thr Tyr Ala Phe Gln Pro Lys Cys Thr Tyr Val Asn Met Leu Thr Phe
 85 90 95

Thr Leu Glu His Gly Glu Phe Glu Asp Gly Lys Gly Lys Cys Pro Tyr
 100 105 110

Asp Pro Ala Lys Gly His Ala Gly Leu Leu Val Asp Gly Glu Leu Tyr
 115 120 125

Ser Ala Thr Leu Asn Asn Phe Leu Gly Thr Glu Pro Ile Ile Leu Arg
 130 135 140

Asn Met Gly Pro His His Ser Met Lys Thr Glu Tyr Leu Ala Phe Trp
 145 150 155 160

Leu Asn Glu Pro His Phe Val Gly Ser Ala Tyr Val Pro Glu Ser Val
 165 170 175

Gly Ser Phe Thr Gly Asp Asp Asp Lys Val Tyr Phe Phe Phe Arg Glu
 180 185 190

Arg Ala Val Glu Ser Asp Cys Tyr Ala Glu Gln Val Val Ala Arg Val
 195 200 205

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435

440

445

Val Ala Asp Cys Met Lys Tyr Arg Ser Cys Ala Asp Cys Val Leu Ala
 450 455 460

Arg Asp Pro Tyr Cys Ala Trp Ser Val Asn Thr Ser Arg Cys Val Ala
 465 470 475 480

Val Gly Gly His Ser Gly Ser Leu Leu Ile Gln His Val Met Thr Ser
 485 490 495

Asp Thr Ser Gly Ile Cys Asn Leu Arg Gly Ser Lys Lys Val Arg Pro
 500 505 510

Thr Pro Lys Asn Ile Thr Val Val Ala Gly Thr Asp Leu Val Leu Pro
 515 520 525

Cys His Leu Ser Ser Asn Leu Ala His Ala Arg Trp Thr Phe Gly Gly
 530 535 540

Arg Asp Leu Pro Ala Glu Gln Pro Gly Ser Phe Leu Tyr Asp Ala Arg
 545 550 555 560

Leu Gln Ala Leu Val Val Met Ala Ala Gln Pro Arg His Ala Gly Ala
 565 570 575

Tyr His Cys Phe Ser Glu Glu Gln Gly Ala Arg Leu Ala Ala Glu Gly
 580 585 590

Tyr Leu Val Ala Val Val Ala Gly Pro Ser Val Thr Leu Glu Ala Arg
 595 600 605

Ala Pro Leu Glu Asn Leu Gly Leu Val Trp Leu Ala Val Val Ala Leu
 610 615 620

Gly Ala Val Cys Leu Val Leu Leu Leu Val Leu Ser Leu Arg Arg
 625 630 635 640

Arg Leu Arg Glu Glu Leu Glu Lys Gly Ala Lys Ala Thr Glu Arg Thr
 645 650 655

Leu Val Tyr Pro Leu Glu Leu Pro Lys Glu Pro Thr Ser Pro Pro Phe
 660 665 670

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1 5 10 15

Lys Gly Phe Gly Glu Lys Thr Gly Ser Gly Ser Gly Glu Val Phe Val
20 25 30

Met Leu Gly Asp Arg Leu
35

<210> 247
<211> 31
<212> PRT
<213> Homo sapien

<400> 247

Met Phe Cys Leu Cys Ser Pro Val Leu Cys Tyr Cys Asn Phe Phe Phe
1 5 10 15

Phe Tyr Thr Lys His Val Thr Trp Thr Asn Val Arg Gln Met Thr
20 25 30

<210> 248
<211> 50
<212> PRT
<213> Homo sapien

<400> 248

Met Arg Asn Ser Ser Pro Ile Leu Thr Pro Ala Leu Phe Ser Phe His
1 5 10 15

Met Tyr Ile Gly Pro Leu Ile Arg Ile Phe Lys Lys Phe Pro Arg Pro
20 25 30

Pro Asn Leu Thr Ile Asp Asp Pro Leu Ser Leu Phe Arg Arg Asn Tyr
35 40 45

Ile Gly
50

<210> 249
<211> 77
<212> PRT
<213> Homo sapien

<400> 249

Met Leu Leu Ala Val Arg Thr Thr Val Ile Cys Leu Gln Ser Cys Cys
1 5 10 15

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Ile His Thr Thr Gly Glu Lys Glu Tyr Thr Gln Arg Gly Lys Arg Gly
20 25 30

Asn Thr Ala Gln Lys Pro His Arg Gln Ala Gln Gln Asp Arg Ala Thr
 35 40 45

Gly His Asp Ala Thr Arg Thr Arg Pro Arg Ala Leu Trp Asn Gly Ala
 50 55 60

Ala Gly Arg Val Glu Ala Gly Ser Leu His Gln Gly Arg Arg Ala Asp
 65 70 75 80

Trp Arg Gly Gly Gly Glu Ala Gly Asp Arg Asn Arg Glu Arg Glu Gly
 85 90 95

Gly Lys Cys Ala Gly Gly Arg Lys Arg Arg Arg Arg Glu Gly Thr Glu
 100 105 110

Gly Glu Thr Gln Gln
 115

<210> 252

<211> 66

<212> PRT

<213> Homo sapien

<400> 252

Met Val Val Cys Leu Trp Leu Cys Ser Ser Val Ser Leu Ala Leu Cys
 1 5 10 15

Val Ser Phe Val Ala Leu Ser Ser Val Pro Ser Cys Leu Arg Thr Val
 20 25 30

Gly Gly Asp Phe Gly Arg Gly Asn Gln Phe Leu Pro Arg Gly Pro Ala
 35 40 45

Leu Ala Gln Gly Ser Pro Ser Ala Phe Phe Leu Phe Cys Cys Phe Phe
 50 55 60

Phe Phe
 65

<210> 253

<211> 31

<212> PRT

<213> Homo sapien

<400> 253

Met Leu Glu Ala Ile Leu Gly Pro Val Ser Asn Ser Leu Tyr Val Ser

210

1

5

10

15

Gly Lys Thr Cys His Gly Ser Arg Ser Val Phe Ser Ser Ala Lys
 20 25 30

<210> 254

<211> 37

<212> PRT

<213> Homo sapien

<400> 254

Met Thr Leu Ala Thr Ile Ile His Ser Ile Val Gln Ala Gly Ser Leu
 1 5 10 15

Gly Cys Cys Ile Lys Cys Asn Pro Pro Leu Gly Ile Leu Glu Pro Gln
 20 25 30

Asn Lys His Cys Val
 35

<210> 255

<211> 45

<212> PRT

<213> Homo sapien

<400> 255

Met Tyr Leu Gly Gln Leu Gly Asn His Arg Leu Lys Lys Leu Thr Leu
 1 5 10 15

Val Ile Thr Arg Val Val Ser Asp Tyr Lys Gln His Ile Ile Asn Pro
 20 25 30

Thr Ala Leu Ile Leu Ala Gln Arg Gln Asn Trp Thr Phe
 35 40 45

<210> 256

<211> 32

<212> PRT

<213> Homo sapien

<400> 256

Met Asn His Arg Ile Leu Gln Asn Tyr Ser Leu Phe Ser Lys Met Ile
 1 5 10 15

Asn Glu Leu Gln Ser Leu Pro Ser Arg Ser Ser Gln Leu Asn Lys Gly
 20 25 30

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<210> 257
 <211> 31
 <212> PRT
 <213> Homo sapien

<400> 257

Met Ile Leu Leu Phe Leu Ser Lys Thr Ser Ser Ser Lys Ile Val Tyr
 1 5 10 15

Met Val Thr Phe Val Ser Asn Asn Val Met Val Asn Ser Gly Tyr
 20 25 30

<210> 258
 <211> 62
 <212> PRT
 <213> Homo sapien

<400> 258

Met Thr Ser Ser Met Leu Lys Ser Glu Ser Ser Ala Ser Ile Phe Val
 1 5 10 15

Ile Pro His Ile Gln Ser Ser Ala Lys Ser Cys Gln Phe Tyr Leu Lys
 20 25 30

Ser Phe Pro Ser Phe Phe Leu Thr Tyr Val Ile Ser Val Val Ser Gln
 35 40 45

Leu His Leu Ser Ser Tyr Ser Ser Leu Leu Tyr Thr Gln Cys
 50 55 60

<210> 259
 <211> 103
 <212> PRT
 <213> Homo sapien

<400> 259

Phe Phe Val Phe Ala Arg Gln Gly Leu Thr Leu Ser Pro Arg Leu Glu
 1 5 10 15

Cys Ser Gly Met Ile Ile Thr His Cys Ser Leu Gln Leu Leu Gly Ser
 20 25 30

Ser Asn Ser Pro Ala Ser Ala Ser Ala Glu Thr Glu Thr Ile Gly Met
 35 40 45

Arg His His Ile Trp Leu Thr Phe Gln Leu Ser Val Glu Thr Gly Ser

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50

55

60

Cys Tyr Val Ala Gln Ala Ala Leu Lys Phe Leu Ala Ser Ser Asn Pro
65 70 75 80

Leu Ala Ser Ala Ser His Ser Thr Gly Ile Thr Gly Met Ser His Pro
85 90 95

Thr Pro Pro Gln Ser Asp Phe
100

<210> 260

<211> 42

<212> PRT

<213> Homo sapien

<400> 260

Met Val Gln Ser Ser Asp His Met Glu Val Gly Lys Arg Glu Leu Ile
1 5 10 15

Thr Gly Leu Tyr Ala Gly Glu Trp Ile Val Leu Ile Leu Thr Val Ser
20 25 30

Lys Glu Asn Gln Leu Ser Ser Ser Ser Arg
35 40

<210> 261

<211> 26

<212> PRT

<213> Homo sapien

<400> 261

Met Thr Cys Phe Lys Leu Leu Phe Tyr Val Leu Leu Tyr Phe Cys Ser
1 5 10 15

His Leu His Val Ala Lys Gln Ile Met Leu
20 25

<210> 262

<211> 397

<212> PRT

<213> Homo sapien

<400> 262

Met Glu Gly Asn Arg Asp Glu Ala Glu Lys Cys Val Glu Ile Ala Arg
1 5 10 15

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Arg Ala Gly Tyr Ser Gln Gln His Gln His Arg His Ser Gly His Glu
245 250 255

Met Ser Val Leu Cys Val
50

<400> 264

Ser Gly Lys Leu Tyr Ser His Ser Lys Ile Gln Ser Met Leu Leu
20 25 30

<400> 265

Gly Leu Leu Val Ala Phe Ser Ala Cys Thr Thr Val Leu Val Ala Val
20 25 30

Ala Val Ser Asn Ile His Asn Leu Asn Ser Val His Gln Ser Pro His
50 55 60

Gln Arg Leu His Arg Tyr Val Glu Leu Ala Trp Gly Phe Ser Thr Ala
65 70 75 80

Leu Gly Thr Phe Leu Phe Leu Ala Glu Val Val Leu Val Gly Trp Val
85 90 95

Lys Phe Val Pro Ile Gly Ala Pro Leu Asp Thr Pro Thr Pro Met Val
100 105 110

Pro Thr Ser Arg Val Pro Gly Thr Leu Ala Pro Val Ala Thr Ser Leu
115 120 125

Ser Pro Ala Ser Asn Leu Pro Arg Ser Ser Ala Ser Ala Ala Pro Ser
130 135 140

Gln Ala Glu Pro Ala Cys Pro Pro Arg Gln Ala Cys Gly Gly Gly Gly
145 150 155 160

Ala His Gly Pro Gly Trp Gln Ala Ala Met Ala Ser Thr Ala Ile Met
165 170 175

Val Pro Val Gly Leu Val Phe Val Ala Phe Ala Leu His Phe Tyr Arg
180 185 190

Ser Leu Val Ala His Lys Thr Asp Arg Tyr Lys Gln Glu Leu Glu Glu
195 200 205

Leu Asn Arg Leu Gln Gly Glu Leu Gln Ala Val
210 215

<210> 266
<211> 33
<212> PRT
<213> Homo sapien

<400> 266

Met Phe Thr Arg Lys Pro Lys Ser Ser Lys Ala Gln Leu Leu Leu Leu
1 5 10 15

Arg Thr Leu His Gln Leu Leu Phe Gln Thr Ser Leu Gln Leu Leu Gly
20 25 30

Leu

<210> 267
<211> 88
<212> PRT
<213> Homo sapien

<400> 267

Gly Arg Val Arg Phe Val Val Glu Leu Ala Asp Pro Lys Leu Glu Val
1 5 10 15

Lys Trp Tyr Lys Asn Gly Gln Glu Ile Arg Pro Ser Thr Lys Tyr Ile
20 25 30

Phe Glu His Lys Gly Cys Gln Arg Ile Leu Phe Ile Asn Asn Cys Gln
35 40 45

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Met Thr Asp Asp Ser Glu Tyr Tyr Val Thr Ala Gly Asp Ala Lys Cys
 50 55 60

Ser Thr Glu Leu Phe Val Arg Glu Pro Pro Phe Met Val Pro Ser Ser
 65 70 75 80

Trp Ile Glu Thr Pro Ala Asp Cys
 85

<210> 268
 <211> 11
 <212> PRT
 <213> Homo sapien

<400> 268

Met Trp Arg Ala Lys Gln Tyr Asp Leu Gln Thr
 1 5 10

<210> 269
 <211> 32
 <212> PRT
 <213> Homo sapien

<400> 269

Met Glu Gln Ile Glu Asp Asn Asp Ile Cys Phe Tyr Tyr Lys Val Phe
 1 5 10 15

His His Leu Ile Ser Leu Thr His Ile Met Arg Pro Ala Phe Glu Glu
 20 25 30

<210> 270
 <211> 19
 <212> PRT
 <213> Homo sapien

<400> 270

Met His Ile Lys Met His Ser Leu Ser Cys Pro Asn Asn Tyr His Ile
 1 5 10 15

Thr Leu Trp

<210> 271
 <211> 173
 <212> PRT
 <213> Homo sapien

<400> 271

Leu Thr Ala Thr
20

<210> 273
 <211> 85
 <212> PRT
 <213> Homo sapien

<400> 273

Met Ser Ile Tyr Leu Ala Pro Asp Gly Asn Thr Lys Ser Trp Gln Trp
 1 5 10 15

Glu Trp Lys Gly Ser Leu Ser Gln Ile Leu Pro Tyr Tyr Val Asp Pro
 20 25 30

Lys Ala Gly Leu Gly Ser Lys Ala His Lys Pro Pro Lys Gln Ile Phe
 35 40 45

Thr Glu His Leu Asp Tyr Tyr Arg Pro Ser Ile Leu Leu Gly Thr Met
 50 55 60

Gly Asp Val Lys Glu Val Ile Ser His Met Ile Cys Leu Gln Gly Ala
 65 70 75 80

Lys Asn Ala Ser Gly
 85

<210> 274
 <211> 86
 <212> PRT
 <213> Homo sapien

<400> 274

Met Met Asn Phe Leu Cys Leu Asn Phe Arg Asp Ile Trp Cys Asp Phe
 1 5 10 15

His Leu Tyr Leu Met Leu Pro Leu Leu Pro Ser Leu Leu Asn Thr Ser
 20 25 30

Lys Asn Ser Glu His Ile Leu Ile Pro Pro Val Phe Tyr Phe Tyr Asp
 35 40 45

Leu Asp Ile Leu His His Lys Ile Pro Pro Asn Trp Asp Tyr Val Phe
 50 55 60

Glu Val Ile His Phe Thr Ile Ile Thr Thr Ile Thr Ile Ile Phe Ile
 65 70 75 80

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<210> 275
<211> 36
<212> PRT
<213> Homo sapien
<400> 275
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Ser Cys Met Lys Val Ile Glu Arg Cys Asn Cys Leu Leu Thr Ile Thr
20 25 30

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<210> 276
<211> 35
<212> PRT
<213> Homo sapien
<400> 276
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Ile Phe Gly Ser Asn Val Met Gln Val Asn Leu Leu Met Ile Ser Lys
20 25 30

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<210> 277
<211> 105
<212> PRT
<213> Homo sapien
<400> 277
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Lys Gly Leu Leu Thr Glu Lys Val Thr Thr Cys Gly Thr Asp Val Ile
20 25 30

Ala Leu Thr Lys Gln Val Leu Lys Gly Ser Arg Ser Ser Glu Leu Leu
35 40 45

Gly Gln Ala Ala Arg Asn Met Val Leu Gln Glu Asp Ala Ile Leu His
50 55 60

Ser Glu Asp Ser Leu Arg Lys Met Ala Ile Ile Thr Thr His Leu Gln
65 70 75 80

Tyr Gln Gln Glu Ala Ile Gln Lys Asn Val Glu Gln Ser Ser Asp Leu
85 90 95

Gln Asp Gln Leu Asn His Leu Leu Lys
100 105

<210> 278

<211> 41

<212> PRT

<213> Homo sapien

<400> 278

Met Lys His Pro Leu Leu Thr Ala Pro Met Gln Asn Ser Thr Ile Gln
1 5 10 15

Leu Thr Ala Phe Thr Leu Met Thr Arg Cys Lys Ser Lys His Lys Thr
20 25 30

Glu Asn Met Tyr Val Pro Ala Arg Ala
35 40

<210> 279

<211> 35

<212> PRT

<213> Homo sapien

<400> 279

Met Phe Arg Glu Ile Val Pro Ile Ser Gln Gly Gly Gln Leu Asp Ser
1 5 10 15

Asn Gly Val Lys Thr His Leu Lys Val Tyr Cys Lys Asn Ile Tyr Ser
20 25 30

Pro Lys Leu
35

<210> 280

<211> 83

<212> PRT

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<400> 280

Val Leu Asp Leu Leu Val Ser Leu Leu Gly Glu Phe Gly Arg Glu Thr
20 25 30

Leu Pro Pro Gly Pro Leu Gly Pro Gly Gly Ala Pro Ala Phe Phe Phe
35 40 45

Cys Phe Phe Phe Val Phe Val Asn Asn Lys Ile His Leu Leu Lys Glu
50 55 60

Ser Cys Leu His Arg Tyr Arg Thr Ser Trp Ile Phe Gln His His Ser
65 70 75 80

Asn Thr Asn